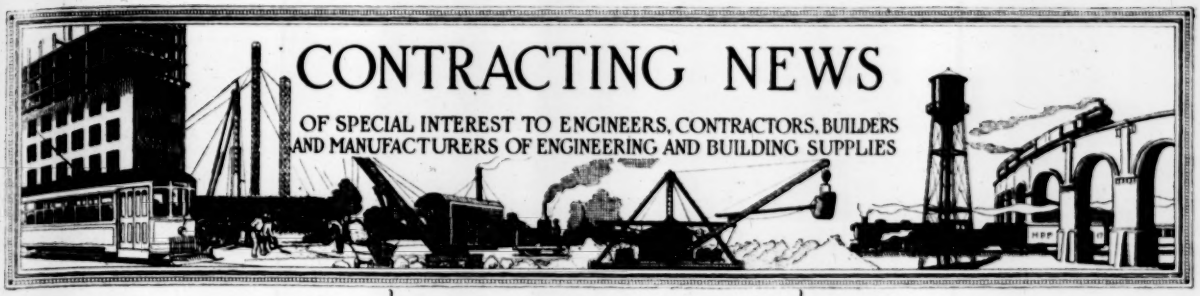
CONTRACTING NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

Proposals

For Proposals Advertised See Pages 48 to 54 Inclusive

WATERWORKS

Bids Close.		See Eng. News-Record.
May 28.	Boston, Mass.	May 24
May 29.	Toledo, O.	May 24
June 1.	Rushville, Ill.	May 24
June 2.	Kendallville, Ind. Adv. May 24.	May 24
June 4.	Barrow, Wis.	May 24
June 4.	Milbank, S. D.	May 24
June 5.	Constantine, Mich.	May 24
June 8.	West Haverstraw, N. Y.	May 24

SEWERS

May 28.	Syracuse, N. Y.	May 17
May 28.	West Burlington, Ia.	May 10
May 29.	Barberton, O. Adv. May 17.	May 17
May 29.	Jackson, Tenn. Adv. May 17.	May 17
May 29.	Leland, Miss. Adv. May 3 and 10.	May 10
May 29.	New Iberia, La.	May 17
May 29.	Wabash, Minn.	May 24
May 29.	Steubensville, O.	May 24
May 31.	Creston, Ia.	May 17
May 31.	Jacksonville, Fla. Adv. May 17.	May 17
June 2.	Burlington, Wis.	May 10
June 5.	Newark, N. J. Adv. May 10 to 24.	May 10
June 5.	Auburn, N. Y.	May 10
June 5.	Oklahoma, Okla. Adv. May 3 to May 17.	May 24
June 6.	Huntington, W. Va.	May 24
June 12.	Newark, N. J.	May 17
June 19.	Newark, N. J.	May 24
June 28.	Chicago, Ill. Adv. May 24.	May 24

STRUCTURAL STEEL WORK

May 28.	Clifton, Ariz. Adv. May 3 and May 10.	May 3
May 28.	Sudbury, Ont.	May 24
June 4.	Fairfield, Cal.	May 24
June 5.	Oacoma, S. D.	May 24
June 5.	Miller, S. D.	May 24
June 5.	Parker, S. D.	May 24
June 5.	Mt. Vernon, Wash.	May 24
June 6.	Dayton, O.	May 17
June 7.	Coquille, Ore.	May 24
June 8.	New Ulm, Minn.	May 24

REINFORCED CONCRETE

May 25.	Palatka, Fla.	May 17
May 29.	Lawrence, Mass. Adv. May 24.	May 24
May 31.	Eugene, Ore.	May 24
June 4.	Olympia, Wash.	May 24
June 4.	Hollister, Cal.	May 24
June 5.	Elkader, Ia. Adv. May 17 and 24.	May 17
June 5.	Oswego, Kan.	May 24
June 6.	Winfield, Kan.	May 24
June 11.	New Philadelphia, O.	May 24

STREETS AND ROADS

May 26.	Alexandria, La.	May 3
May 26.	Bartow, Fla. Adv. May 3 and 10.	May 10
May 26.	Wildwood, N. J.	May 17
May 27.	Sprague, Wash.	May 17
May 28.	Austin, Minn.	May 10
May 28.	Batavia, Cal.	May 10
May 28.	Montesano, Wash.	May 17
May 28.	Olympia, Wash.	May 17
May 28.	Everett, Wash.	May 17
May 28.	California.	May 17
May 28.	Albany, N. Y. Adv. May 17 and 24.	May 17
May 28.	Owensville, Ky.	May 24
May 28.	New York, N. Y.	May 24
May 28.	Long Island City, N. Y.	May 24
May 28.	Buhl, Minn.	May 24
May 29.	Lebanon, O.	May 24
May 29.	Alexandria, Minn.	May 24
May 29.	Charleston, S. C.	May 17
May 29.	Port Clinton, O.	May 3
May 29.	Lebanon, O.	May 10
May 29.	Cleveland, O.	May 17
May 29.	Port Angeles, Wash.	May 17
May 29.	Jersey City, N. J.	May 17
May 29.	Napoleon, O.	May 24
May 29.	New York, N. Y.	May 24
May 30.	Dallas, Tex.	May 24
May 30.	Lenoir, N. C. Adv. Apr. 26.	Apr. 26
May 30.	Russellville, Ark.	May 17
May 30.	Greenville, Miss. Adv. May 17 and 24.	May 17
May 31.	Indiana	May 17
May 31.	Nashville, Mich. Adv. May 17 and 24.	May 17
May 31.	Milwaukee, Wis.	May 10
May 31.	Brainerd, Minn.	May 10
May 31.	Long Island City, N. Y.	May 24
May 31.	Newark, N. J.	May 24
May 31.	Hartford, Conn. Adv. May 24.	May 24
May 31.	Illinois	May 24
June 1.	Grove City, Pa. Adv. May 17 and 24.	May 17
June 1.	Quincy, Cal.	May 24
June 1.	Forest City, Ia.	May 24
June 1.	Springfield, O.	May 24
June 2.	Dayton, O.	May 17
June 2.	Lakewood, N. J. Adv. May 17 and 24.	May 17
June 4.	Mishawaka, Ind.	May 10
June 4.	Westfield, N. J. Adv. May 17.	May 17
June 4.	Woodland, Cal.	May 24
June 4.	Covington, Va.	May 24
June 4.	Wooster, O.	May 24
June 5.	Boulder, Colo.	May 17
June 5.	Indiana	May 17
June 5.	Yadkinville, N. C.	May 17
June 5.	Oklahoma, Okla.	May 24
June 5.	Coalgate, Okla.	May 24
June 5.	Johnson City, Tenn.	May 24
June 6.	Bay Minette, Ala.	May 24
June 6.	Visalia, Cal.	May 24
June 6.	Indiana	May 17
June 7.	Indiana	May 17
June 8.	Crowley, La.	May 10
June 10.	Seattle, Wash.	May 24
June 11.	Fayetteville, W. Va.	May 17
June 12.	Harrisburg, Pa. Adv. May 17 and 24.	May 17
June 14.	Fairmont, W. Va.	May 24
Aug. 13.	Lewiston, Idaho	May 24

EXCAVATION AND DREDGING

May 26.	Anderson, Ind.	May 24
May 26.	Huntington, Ind.	May 24
May 31.	Schuyler, Neb.	Apr. 26
May 29.	Albany, N. Y. Adv. May 3 to May 24.	May 3
May 29.	Youngsville, La.	May 17
May 29.	Savannah, Ill.	May 24
June 1.	Cape Girardeau, Mo. Adv. May 17.	May 17
June 1.	Rushville, Ind. Adv. May 10 and 17.	May 17
June 1.	Scandia, Kan.	May 17
June 1.	Crookston, Minn.	May 24
June 5.	Fremont, Neb.	May 17
June 5.	Tallahassee, Fla. Adv. May 24.	May 24
June 5.	Grundy Center, Ia.	May 24
June 6.	Owatonna, Minn.	May 24
June 7.	Madison, S. D. Adv. May 17 and 24.	May 17
June 12.	Algona, Ia.	May 17
June 12.	Fresno, Cal.	May 24
June 14.	Lonoke, Ark. Adv. May 17.	May 17
June 18.	Petersburg, Ind.	May 24

BUILDINGS

May 28.	Macon, Ga.	May 24
May 29.	Hoboken, N. J.	May 17
May 29.	Bedford, O.	May 24
May 30.	Urbana, Ill. Adv. Apr. 26.	Apr. 26
June 2.	Redfield, S. D.	May 10
June 2.	Wheeling, W. Va.	May 24
June 4.	Drake, N. D.	May 17
June 4.	College Springs, Ia.	May 24
June 4.	Fargo, N. D.	May 24
June 5.	Ness City, Kan.	May 17
June 5.	Centerville, Ia.	May 24
June 6.	Canton, O.	May 17
June 9.	Jacksonville, Fla.	May 17
June 9.	Randolph, Ia.	May 24
June 11.	Cleveland, O.	May 24
June 12.	Vandergrift, Pa.	May 24
June 15.	Lakota, N. S.	May 24

INDUSTRIAL WORKS

May 31.	Dunkirk, N. Y. Adv. May 24.	May 24

FEDERAL GOVERNMENT WORK

May 28.	Jasper, Ala. Adv. Apr. 19 and 26.	Apr. 26
May 28.	Bremerton, Wash.	May 17
May 28.	Washington, D. C.	May 17
May 28.	La Crosse, Wis.	May 17
May 28.	Norfolk, Va.	May 24
May 29.	Wash., D. C.	May 24
May 29.	Southbridge, Mass. Adv. Apr. 19 and 26.	Apr. 26
May 29.	Berwick, Pa. Adv. Apr. 26 and May 3.	Apr. 26
May 29.	Charlotte, N. Y. Adv. May 10.	May 10
May 29.	New London, Conn. Adv. May 10 and May 17.	May 10
May 30.	Ft. Michie, N. Y.	Apr. 26
May 30.	Ft. Snelling, Minn. Adv. Apr. 26 and May 3.	May 17
May 31.	Washington, D. C. Adv. May 10 and May 17.	May 10
June 1.	New Albany, Ind.	May 10
June 1.	Denver, Colo.	May 24
June 1.	Cody, Wyo.	May 24
June 1.	Altus, Okla.	May 24
June 1.	San Pedro, Cal.	May 24
June 2.	Ft. Greble, R. I.	May 10
June 2.	Wash., D. C.	May 24
June 4.	Sanford, Fla.	May 10
June 4.	Wilmington, Del. Adv. May 10 to 24.	May 17
June 4.	Wash., D. C.	May 24
June 5.	Olney, Ill.	May 3
June 6.	Orange, Tex.	May 3
June 6.	Golden Gate, Cal. Adv. May 17 and 24.	May 17
June 6.	Ft. Laramie, Wyo.	May 17
June 6.	Ft. Andrews, Mass.	May 24
June 7.	Marion, Ill.	May 3
June 7.	Cape Henry, Va.	May 24
June 8.	Denton, Tex.	May 17
June 9.	Montgomery, Ala. Adv. May 17 and 24.	May 17
June 11.	Bridgeport, Conn.	May 17
June 11.	New York, N. Y. Adv. May 17 and 24.	May 17
June 11.	Wash., D. C.	May 24
June 12.	State College, Pa. Adv. May 17 and 24.	May 17
June 14.	Cherryvale, Kan.	May 17
June 14.	Three Rivers, Cal.	May 17
June 14.	Ft. Bliss, Tex. Adv. May 24.	May 24
June 14.	Wash., D. C.	May 24
June 15.	Memphis, Tenn. Adv. May 24.	May 24
June 16.	Montgomery, Ala. Adv. May 17 and 24.	May 17
June 18.	Akron, O.	May 17
June 19.	Montevideo, Minn.	May 17
June 19.	Aledo, Ill. Adv. May 17 and 24.	May 17
June 20.	Beaufort, S. C. Adv. May 17.	May 17
June 21.	Cambridge, Md.	May 17
June 22.	Fordyce, Ark. Adv. May 17 and 24.	May 24
June 23.	Raton, N. M.	May 17

Bids Close.	See Eng. News-Record.

MISCELLANEOUS

May 28. Subway—Davis, Cal. .....May 10
May 28. Pipes and Cables—New York, N. Y. .....May 24
May 29. Finishing Hardware — Syracuse, N. Y. .....May 24
Adv. May 24.
May 29. Refrigeration Equipment—Thiells, N. Y. .....May 17
Adv. May 17.
May 29. Trucks—Bayonne, N. J. .....May 24
May 31. Dock Wall—Troy, N. Y. .....May 17
Adv. May 17 and 24.
May 31. Timber Groynes—Brooklyn, N. Y. May 24
June 4. Jetty—Newport Beach, Cal.....May 17
Adv. May 17 and 24.
June 4. Tracks—New York, N. Y.....May 24

Where name of official is not given, inquiries should be addressed to City Clerk, County Clerk or corresponding official.

WATER-WORKS

Proposed Work

N. Y., Wyantskill—See "Buildings."

N. J., Perth Amboy—City proposes to extend water system; plans include new pumping engine and building, $30,000; boiler plant and building, $35,000; suction lines, $40,000; dams and spillways, $15,000; trestle and coal pockets, $20,000; wells and connections, $20,000. S. J. Mason, city engr.

N. J., South Amboy—Council plans to build water-pumping plant for water system.

N. C. Beaufort—City plans to install water mains in Cedar, Ann and Main Sts.

N. C., Greenville—Town to sell $100,000 bonds to improve water and light plants. J. C. Tyson, clk.

Fla., Palatka—City plans election to vote on $60,000 bonds to improve water system.

Tenn., Chattanooga—City Water Co. had plans prepared extending water mains to Chicamauga Natl. Park. About $150,000.

Tenn., Manchester—City defeated $27,000 bonds for water system. Noted Apr. 12.

O., Canton—City rejected bids installing pumping system in southwest section of city, estimated to cost $80,000. A. Burdick, engr., Chicago, to revise plans and submit new estimate.

O., Chardon—City voted $58,000 bonds to install water system. Noted May 10.

O., Cincinnati—See "Streets and Roads."

O., Greenville—Council passed ordinance to issue $60,000 bonds for improving water system, pump house, including clear water and sedimental basins, pumps, piping, etc. G. A. Johnson, 150 Nassau St, New York City, engr.

O., New London—City plans to install water system. P. Burgess and H. H. Hampton Alliance, engrs.

Ill., Albion—(Official)—City defeated $19,500 bonds for water system.

Wis. Potosi—(Official)—Village soon receives bids for water-works. Bonds for $10,000 voted for project. C. L. Callaway, clk. Noted Apr. 26.

Kan., Baxter—(Official)—City plans election to vote on $85,000 bonds to install water system. A. C. Moore, constr. engr.

Kan., Beloit—(Official)—City rejected bids for water system involving 200-hp. tube boiler, two 400-gal.-per-min. motor-driven pumps, 3-ft. head; two 400-gal.-per-min. motor-driven pumps, 200-ft. head, and equipment for 500,000-gal. plant. About $50,000. Black & Veatch, Interstate Bldg., Kansas City, Mo., engrs. Noted May 10.

N. D., Anamoose—See "Sewers."

Mo., Kirkville—City defeated $118,000 bonds to improve water and light plants. Noted Apr. 19.

Mo., Plattsburg—City defeated $60,000 bonds for water and sewerage systems.

Ark., Marvel—See "Sewers."

Okla., Billings—City receiving bids about Aug. 1 for water and light plants and installing sewers. Cost, $50,000. L. Panton, pres. of bd. pub. wks. Mackintosh-Walton Eng. Co., 1023 State National Bank Bldg., Oklahoma City, engrs.

Okla., Enid—City plans to improve water-works system.

Okla., Rush Springs—City election June 1 to vote on $30,000 bonds to install water system.

Okla., Woodsville—City defeated $60,000 bonds to build water and sewerage systems.

Idaho, Grace—City election June 9 to vote on $25,000 bonds to install water-works system. E. Christenson, clk.

Ariz., Yuma—F. E. Trask, engr., Union Oil Bldg., Los Angeles, submitted report to city council stating that it will cost $363,987 to install water system and gas plant with distributing system or $162,420 to purchase and $129,460 to improve privately owned plants.

Wash., Raymond—See "Reinforced Concrete."

Wash., St. John—City voted $16,000 bonds to install water system.

Wash., Seattle—City will build wooden standpipe at Maple Leaf Reservoir to hold 35,000 gal. water. About $60,000 available for work. L. B. Youngs, supt.

Cal., Modesto—See "Streets and Roads."

Ont., Leamington—Council plans to install reservoir.

Ont., Ridgetown—Town Council plans to build 12,000-gal. capacity cement tank. D. Cochrane, clk.

B. C., Delta—City plans to install reservoir at water-works. M. A. McDiarmid, clk.

Bids Desired

Mass., Boston—Until May 28 by Dept. Pub. Wks. for 142 tons c.-i. special castings for water dept. J. Donovan, clk.

N. Y., West Haverstraw—(Official)—Until June 8 by G. Blagden, pres. bd. mgrs., New York State Hospital for Care of Crippled and Deformed Children, for water tank and connections and artesian well for water supply at hospital.

O., Toledo—(Official)—Until May 29 by D. H. Goodwithe, dir. pub. serv., for addition to Broadway high-service pumping station. About $75,000. H. C. McClure, city engr. Noted May 10.

O., Toledo—Until May 29 by City furnishing 400 tons c.-i. pipe, 30 tons 3-, 4-in. lead pipe and 12 tons c.-i. special fittings for water dept. G. L. Shanks, 340 Valentine Bldg., city purch. agt.

Ind., Kendallville—(Official)—Until June 2 by E. O. Michaelis, clk., for improving water system; advertised in this issue.

Mich., Constantine—(Official)—June 5 by Village, improving water-works stations including new concrete forebay, penstock and wheel house, re-setting present water wheels and rebuilding present station. A. E. Tracey, clk. A. H. Smith Co., 320-324 Nasby Bldg., Toledo, engrs.

Wis., Barron—Until June 4 by city clk., building 14- or 16-in. deep well for water-works.

Minn., Wabash—See "Sewers."

S. D., Milbank—Until June 4 by City installing filter equipment for mechanical gravity filter plant of 500,000 gal.; also 300 G. P. M. motor-driven centrifugal pump. A. A. Bloomquist, clk. L. P. Wolff, 1000 Germania Life Bldg., St. Paul, Minn., engr.

Ont., Sudbury—See "Structural Steel."

Prices and Contracts Awarded

(★Indicates award of contract)

★**N. J., Ogdensburg**—(Official)—Boro. let contract installing water-works to H. K. Carbin, 30 Church St., New York City. Noted Apr. 5.

★**Okla., Talaquah**—City let contract improving water system to J. W. Rooks, McAlester, $30,800.

★**Ont., York**—City let contract laying water mains in portion Eglinton, West St. Clair, Baby Point and Windemere Aves., and Jane St. to Dominion Constr. Co., Ltd., Toronto, $43,012; Weston Rd., Oakwood and Vaughan Aves., to Mitchell & Nohan, London, $21,122.

SEWERS

Proposed Work

Mass., Pittsfield—Bd. Pub. Wks. plans to install 2 new pumps at sewage-disposal plant. About $14,000. H. T. Strong, city engr.

N. Y., Wyantskill—See "Buildings."

N. J., Camden—Council plans to install sewers in Fillmore and Louis Sts. and Trinity Ave. A. L. Sayer, st. comr.

Pa., Cheltenham—(Official)—Town had plans prepared by Albright & Melbus, engrs., 907 Land Title Bldg., Phila., for sanitary sewerage system. Bonds for $625,000 voted for work. Noted May 10.

W. Va., Huntington—City plans to install sewers in portions of Jackson and Monroe Aves., alley between Jackson and Van Buren Ave., alley between Baltimore & Ohio R.R. and Jefferson Ave. and alley between Kanawha and Charleston Ave. A. B. Maupin, city engr.

W. Va., Weston—State Legislature, Charleston, passed bill appropriating $44,000 for sewage-disposal plant at Weston Insane Asylum.

Ga., Columbus—City election in September to vote on $150,000 bonds to improve sewers.

Tenn., Marysville—City plans to vote on $70,000 bonds to install sewerage system.

Ky., Owensboro—H. Talbother, city engr., preparing plans to install sewers in various sections of city. Noted May 3.

O., Canton—City soon lets contract installing sanitary sewers in Crystal Park, Bonnet Pl., N. E., and 17th St., and storm sewer in Navarre Rd., S. W. W. E. Sarver, city engr.

O., Cincinnati—Council approved plans submitted by F. S. Krug, city engr., for installing sewer in ravine south of Ridgeway Ave. About $16,600.

O., Cincinnati—F. S. Krug, city engr., preparing plans installing sewers portions Mitchell, Clifton Springs and Redbud Ave., Reading Rd., Rising St. and Lenox Pl. About $25,340.

O., Cleveland—G. W. Fuller, engr., 170 Bway., New York City, submitted report to A. Bernstein, dir. pub. serv., estimating cost of sewage-disposal plant at $4,000,000. Plans include system with plants at West 58th St. and lake shore, similar plant at foot of East 140th St. and 1 in southern section of city. R. Hoffman, city engr. Noted Apr. 12.

O., Marion—City plans to install sanitary and storm sewers in portion Reed Ave. E. S. Gott, city engr.

O., Middletown—City to sell $16,000 bonds June 14 to install sewers in various streets. W. C. Morrison, city engr.

O., Piqua—City rejected bids installing sanitary and storm sewers in Water St. New bids J. F. Luckey, dir. pub. wks.

Ill., Rock Island—Cities of Rock Island and Moline plan to install 46th St. storm drain. About $20,000; cost to be divided equally between cities. N. Treichler, city engr. of Rock Island.

Minn., Caledonia—Village receiving bids in June installing sewerage system. D. C. Merlo, clk. J. F. Druar, 312 Commercial Bldg., St. Paul, Engr.

Minn., Pine City—City receiving bids about June 1 for sewer extensions. H. J. Buirge, clk. J. F. Druar, 312 Commercial Bldg., St. Paul, engr.

N. D., Anamoose—City making surveys installing sewerage and water systems.

Mo., Plattsburg—See "Water-Works."

Mo., St. Joseph—City election in June to vote on $350,000 bonds to extend and repair main sewers. C. P. Hoff, city engr.

Ark., Marvel—(Official)—City retained U. S. Sanitary Septic Tank Co., 1212-13 Cotton Exchange Bldg., Memphis, to make plans for sanitary sewerage and water systems.

Tex., Graham—(Official)—City retained H. E. Elrod, engr., Interurban Bldg., Dallas, to make plans to install sewerage system and sanitary disposal plant. About $25,000. Noted May 10.

Okla., Stillwater—Council plans to install sanitary sewerage system in Dist. No. 19.

Okla., Woodsville—See "Waterworks."

Cal., Modesto—See "Streets and Roads."

Ont., Bridgeburg—G. Ross, town engr., preparing plans extending sewerage line along Central Ave., south of Lewis St.

Bids Desired

N. J., Newark—Until June 19 by Passaic Valley Sewerage Comn. for foundations, connections, etc., at Yantacaw pumping station, Clifton.

W. Va., Huntington—Until June 6 by City Comrs., installing 1540 ft. 18-in., 4520 ft. 12-in. and 1200 ft. 10-in. tile sewers. A. B. Maupin, city engr.

Tenn., Johnson City—See "Streets and Roads."

O., Lebanon—See "Streets and Roads."

O., Steubenville—(Official)—Until May 29 by Ross Park Realty Co. for improving property by installing 4224 lin.ft. 12-in. sewer, 2172 lin.ft. 18-in. sewer, 30 manholes, 15,000 cu.yd. excavation, 4260 sq.yd. brick or concrete paving, 3250 lin.ft. curb and gutter and 14,500 sq.ft. cement walk. J. N. Leech, Steubenville, engr.

Ill., Chicago—(Official)—Until June 28 by J. McGillen, clk., sanitary dist. of Chicago, Karpen Bldg., 910 South Michigan Ave., for pumping equipment at Calumet Sewage Pumping station; advertised in this issue.

Minn., Wabash—Until May 29 by City extending sewerage and water systems, involving about 17,000 ft. tile and 3500 ft. water mains, hydrants, etc. J. F. Druar, 312 Commercial Bldg., St. Paul, engr.

Okla., Oklahoma City—Until June 5 by Bd. Comrs. for installing sewers, unreinforced monolithic concrete, reinforced-concrete pipe and vitrified segment blocks. G. C. McClure, city engr.

Prices and Contracts Awarded

(★Indicates award of contract)

Mass., Boston—Pub. Wks. Dept. received low bid installing sewerage system between Lummer St. and Belcher Lane from M. H. Loomie, 73 Gibson St., Dorchester, $31,191.

N. Y., Brooklyn—(Official)—L. H. Pounds, boro. pres., received low bids installing sewer in Ralph Ave. from J. F. Cogan Co., Woolworth Bldg., $700,239, and Concrete Material Co., $759,082. Noted May 3.

★**O., Lakewood**—City let contract installing lake outlet section of outfall sewer to American Constr. Co., West 3rd and Cuyahoga River, Cleveland, $37,700. Noted May 17.

★**O., Lewisville**—(Official)—Village let contract installing sewers to W. W. Patton, Woodsfield. Noted Apr. 26.

Sewers (Continued)

★O., **Youngstown**—(Official)—City let contract installing sewer in Lucius Ave. to R. H. McCartney, $10,564. Noted Apr. 5.

★Minn., **Albert Lea**—City let contract installing sewers to Ilstrup & Olson, Minneapolis, $10,947.

★Kan., **Beloit**—City let contract installing sanitary sewers to C. D. Reed, Clay Center, $10,874.

★Neb., **Valentine**—City let contract installing sewerage system to J. J. Dunnegan & Briggs, Shenandoah, Ia., $24,000. Noted Apr. 26.

★Mo., **Kansas City**—Bd. Pub. Wks. let contract installing sewers to Kinlen Bros., 3426 Michigan Ave., $15,200.

Cal., **Long Beach**—City received low bids installing vitr.-pipe sewers in several streets from B. Z. Wucetich, 3066 Moss Ave., Los Angeles, $29,984.

STRUCTURAL STEEL

Proposed Work

Mass., Springfield—Co. Comrs. soon lets contract bridge over Connecticut River. About $2,000,000.

Pa., **McKees Rocks**—Co. Comrs. preparing plans bridge over Ohio River between McKees Rocks and Wood Runs. About $750,000. Address Co. Clk., Pittsburgh.

Md., **Chestertown**—(Official)—Co. Comrs. received no bids for Crumpton Bridge over Chester River, about 200 ft. long. C. W. Reinhart, pres.

Ala., **Dadeville**—See "Streets and Roads."

Mich., Manistique—Co. Rd. Comn. plans new bridge over river to connect River and Deer Sts. About $50,000. F. N. Cookson, chn.

Ia., **Des Moines**—City soon lets contract University Ave. bridge, 1000 ft. long. About $500,000, one-third of cost to be borne by Northwestern and Interurban Ry. cos. C. Kastberg, city engr.

Ia., **Macedonia**—Bd. Supervs. plan to build 100-ft. span over west branch Nishnabotna River, 33-ft. approaches. About $12,800.

Minn., Mankato—City voted $50,000 bonds to build bridges. H. F. Blomquist, city engr.

Minn., Minneapolis—Co. Comrs. plan to issue $40,000 bonds to repair Cedar Ave. bridge and grade surface approaches.

Minn., Wheaton—See "Streets and Roads."

Ariz., Kingman—See "Streets and Roads."

Wash., Spokane—M. Macartney, city engr., prepared plans steel bridge on Post St. About $260,000 to $300,000.

B. C., **Vancouver**—Council plans to build bridge to replace old Capilano Bridge. J. B. Springford, clk.

Bids Desired

Illinois—See "Streets and Roads."

Minn., New Ulm—Until June 8 by Brown and Renville Cos. for bridge over Minnesota River, to connect state roads between 2 counties.

S. D., **Miller**—Until June 5 by County for repairing and building bridges, abutments and approaches required for 6 months. A. C. Sweetland, co. aud.

S. D., **Oacoma**—Until June 5 by County for bridges, approaches, abutments and repairs required for 6 months. K. McKenzie, co. aud.

S. D., **Parker**—Until June 5 by County for bridges, abutments, approaches and repairs required for 3 months. V. B. Clikeman, co. aud.

Wash., Mt. Vernon—Until June 5 by W. R. Arges, co. aud., rebuilding Mt. Vernon bridge over Skagit River, 220-ft. steel span and piers. About $30,000. W. E. Costello, co. engr.

Ore., Coquille—(Official)—Until June 7 by Co. Court for bridge over South Fork of Coquille River, 180-ft. steel span with alternate proposal on wood, concrete piers, timber approaches and concrete viaduct over tracks Southern Pacific R.R. J. Watson, co. judge.

Cal., **Fairfield**—Until June 4 by G. G. Halliday, co. clk., building Pleasant Valley bridge.

Ont., Sudbury—Until May 28 by W. J. Ross, clk. and treas., for material and building 500,000-gal. steel stand pipe. H. H. Martindale, supt. Noted Apr. 26.

Prices and Contracts Awarded

(★Indicates award of contract)

★**Mass., Boston**—City let contract rebuilding Brookline Ave. Bridge to M. Meehan, 24 Hopedale St., Jamaica Plain, $46,000.

N. Y., **New York**—(Official)—Pub. Serv. Comn., 120 Bway., received low bids, May 16, furnishing and erecting structural steel for inspection sheds in 180th and 239th St. yards of Route No. 18, White Plains Rapid Transit R.R., from McClintic-Marshall Co., 13 Park Row, $317,370; American Bridge Co., 30 Church St., $336,240; Post & McCord, 101 Park Ave., $344,646. Noted May 10.

★**N. J., Cranford**—Bd. Freeholders let contract bridge over Rahway River on Eastman St. to Dover Boiler Works, 90 East Dickenson St., $18,990.

★Pa., **Uniontown**—County let contract superstructures and floors of bridges over Dunlap Creek and Middle Run to Farris Engr. Co., Empire Bldg., Pittsburgh.

★La., **Baton Rouge**—East Baton Rouge and Livingston Parishes let contract steel bridge over Amite River to Virginia Bridge and Iron Co., Roanoke, Va., $11,200.

★**Ind., Macy**—See "Streets and Roads."

★**N. S., Halifax**—Dept. Railways and Canals let contract 2500 tons structural steel for 2 piers and pier sheds to be constructed in harbor to Dominion Bridge Co., Imperial Life Bldg., Toronto; steel to be furnished by Bethlehem Steel Co., 1st Natl. Bank Bldg., Pittsburgh.

REINFORCED CONCRETE

Proposed Work

Mass., Springfield—United Electric Light Co. plans concrete coal pocket on Front St. About $50,000. W. L. Mulligan, 73 State St., mgr.

Pa. **Pittsburgh**—H. K. Leitch, 3601 Terrace St., plans 4-story, rein.-con. warehouse and sales building, Roup Ave. About $64,000.

N. C., Roanoke Rapids—Roanoke Mills Co. soon lets contract, 158 x 542-ft. concrete mill. About $100,000.

O., Dayton—Citizens Motor Co. acquired site at Ludlow and Franklin Sts., and plans 2-story, concrete plant. About $50,000.

Okla., Ada—County making soundings in South Canadian River here and preparing plans for 1200-ft. rein.con. highway bridge. J. A. Jackson, co. engr.

Okla., Waurika—Co. rejected bids for concrete bridges. P. Emery, Topeka, Kan., engr. Noted Apr. 12.

Ariz., Flagstaff—D. Babbitt and T. Reardon having plans prepared by A. C. Martin, archt., Higgins Bldg., Los Angeles, for rein.-con. plant. About $150,000.

Wash., Raymond—City voted $10,000 bonds to build rein.-con. reservoir.

Cal., Coalinga—(Official)—State Water Comn., Sacramento, granted permit to City Council to appropriate 3 cu.ft. per second of waters of Waltham Creek, Fresno Co., for municipal purposes, by means of submerged concrete dam in creek and pipe line 8.6 mi. long. About $50,000.

Cal., Sacramento—Bd. Educ. rejected bids rein.-con. school, 17th and F Sts. New bids. Noted Apr. 5.

Cal., San Francisco—University of California having plans prepared by W. Polk & Co., archts., Hobart Bldg., for 7-story, rein.-con. building on Sutter St.

Bids Desired

Mass., Lawrence—(Official)—Until May 29 by Mayor and City Council for 2 rein.-con. bridges over Merrimack River; advertised in this issue.

Tenn., Johnson City—See "Streets and Roads."

O., Dennison—See New Phila.

O., New Phila.—(Official)—Until June 11 by Co. Comrs. for rein.-con. beam bridge over Beaverdam Creek on Beaver Ave., and rein.-con. arch bridge over Little Stillwater Creek, East Center St., Dennison. R. H. Nussdorfer aud.

Kan., Winfield—Until June 6 by County rein.-con. bridge over Dutch Creek, Dunbar Ford, and masonry bridge over Grouse Creek, From Ford. F. V. Brown, clk.

Wash., Olympia—Until June 4 by State Highway Comn. for rein.-con. viaduct over Northern Pacific R.R. tracks at Nisqually. About $35,000.

Ore., Eugene—(Official)—Until May 31 by Co. Comrs. building bridges as follows: Gallagher bridge over slough north of Santa Clara; Stanford bridge over Mohawk River, 85-ft. span, 165-ft. approaches; Paschelke bridge over creek, 64-ft. span, 45-ft. approaches; Shortridge bridge, 100-ft. span, 135-ft. approach, and rein.-con. culvert with 4-ft. span over mill-race.

Cal., **Hollister**—Until June 4 by E. Dowdy, co. clk., for concrete bridge over Carneros Creek, Rocks Rd.

Prices and Contracts Awarded

(★Indicates award of contract)

★**Vt., Bennington**—(Official)—Black Cat Textile Co. let contract 5-story, 84x286-ft. rein.-con. textile mill to Turner Constr. Co., 244 Madison Ave., New York City.

★**Mass., Boston**—(Charlestown)—Revere Sugar Refinery Co., 131 State St., Boston, let contract 9-story concrete warehouse and engine house to Turner Constr. Co., 45 Milk St., Boston.

★Pa., **Hazleton**—Duplan Silk Co., East Diamond Ave., let contract 5-story rein.-con. mill to F. W. Mark Constr. Co., Financial Bldg., Phila., $50,000. Noted Apr. 26.

★Pa., **Phila.**—Phila. Paper Mfg. Co., Nixon St., let contract rein.-con. factory to Barclay, White & Co., 1713 Sansom St., $75,000.

★Pa., **Snydertown**—Philadelphia & Reading R.R. let contract rein.-con. bridge over Lick Run to W. Taby & Co., Shamokin.

★**Ind., Richmond**—Co. Comrs. let contract rein.-con. bridge over Whitewater River on Main St. to I. E. Smith, Richmond, $169,990. Noted Apr. 26.

★**Mich., Detroit**—Detroit Refrigerating Co. let contract rein.-con. storage building, 119 Lafferty St., to MacLean Constr. Co., Lafferty and Wabash Sts., $320,000.

★**Mich., Detroit**—Swift & Co., 899-909 Michigan St., let contract 3-story, rein.-con. packing plant, to G. Schantz Engr. Co., 818 Wabash Ave., $50,000.

★**Minn., Minneapolis**—City plans to build additions to filtration plant by day labor, plans include 16 rein.-con. and brick filter units, 4,000,000 gal. capacity each. F. W. Cappelen, city engr.

★**Kan., Topeka**—Golden Belt Grain & Elevator Co. let contract 250,000-bu. rein.-con. grain elevator to Lehrack Contr. & Engr. Co., 725 Gloyd Bldg., Kansas City, Mo., $75,000. Noted Apr. 19.

★**Mont., Great Falls**—Co. let contract building concrete bridges during year to Grant Smith & Co., 1515 Pioneer Bldg., St. Paul.

★**Utah, Salt Lake City**—International Harvester Co., 6 West 2nd St., let contract rein.-con. warehouse, 1st South St., to Redman Fireproof Storage Co., 160 South Main St. About $50,000.

★**Nev., Fallon**—Bd. Educ. let contract rein.-con. high school to Caldwell & Sons, San Francisco. About $77,000. Noted Apr. 12.

★**Ore., Portland**—Frazier & McLean, 200 5th Ave., let contract rein.-con. garage, 5th and Taylor Sts., to Parker & Banfield, Columbus Bldg., $50,000. Noted May 3.

★**Cal., San Diego**—San Dieguito Mutual Water Co. let contract rein.-con. dams and conduits, and 5 mi. concrete flume and galvanized metal flume at Del Mar and San Dieguito damsite, to Bent Bros., 825 Central Bldg., Los Angeles. About $261,696. Noted May 10.

★**Ont., London**—Hunt Bros., Ltd., Talbot St., let contract 6-story, rein.-con. flour mill to G. H. Archibald, 23 Jordan St., Toronto, $75,000.

STREETS AND ROADS

Proposed Work

N. H., Claremont—F. E. Everett, state highway comr., rejected bids paving macadam roads. About $30,000.

N. J., Newark—Bd. Freeholders plans to spend $600,000 to build 9 new roads.

N. J., Washington—Twp. Com. received no bids macadam road from Stewartsville to Bloomsbury, 14,942 sq.yd. Work will be readvertised.

Pa., Williamsport—(Official)—County election June 5 to vote on $30,000 bonds to join state highway dept. in improving highways in county.

Del., Georgetown—Co. and Highway Comrs. plan to build new roads in county. About $1,000,000. A. Upham, co. engr.

Va., Gate City—County voted $45,000 bonds to build roads, Powell Dist.

Va., Stanardsville—County plans to build 2-mi. road. E. D. Dunette, Celt, comr. roads.

W. Va., Broad Oaks—City election June 5 to vote on $10,000 bonds to pave, grade and curb portions Buckhannon and Howard Sts. J. N. Craddock, mayor.

W. Va., Huntington—City comrs. soon lets contract paving portion Kanawha Ave., 11th, 5th and other streets. A. B. Maupin, city engr.

W. Va., Sutton—County plans to improve roads. G. C. Rexwood, clk.

W. Va., Williamson—County voted $1,000,000 bonds to build roads.

N. C., Boone—County voted $300,000 bonds to build roads.

N. C., Mocksville—City plans to build 4-mi. concrete sidewalks. Address J. P. Green.

S. C., Easley—Dept. Pub. Wks. plans to spend $50,000 to pave streets and sidewalks. P. M. Taylor, comr. and clk.

Ga., Griffin—City plans to spend $135,000 to improve streets. K. P. Bridges, clk. and treas.

Fla., Bartow—Polk Co. Special Road & Bridge Dist. No. 2 voted $150,000 bonds to build hard surface roads. A. T. Mann, chn.

Fla., Kissimmee—Co. election June 16 to vote on $100,000 bonds to build road from Loughman to Kissimmee, Dists. Nos. 1 and 2.

Fla., Miami—City plans to spend $300,000 to improve streets. C. Murray, city engr.

Fla., Orlando—Co. Comrs. plan election to vote on bonds to build 40-mi. clay roads.

Ala., Dadeville—County voted $245,000 bonds to build roads and bridges.

Ala., Enterprise—City soon receives bids paving 14,000 sq.yd. streets and building sidewalks. A. Pew, 500 Forsythe Theater Bldg., Atlanta, engr.

Miss., New Augusta—County soon lets contract building 3 roads. H. W. Bell, co. engr.

Streets and Roads (Continued)

Miss., Vaiden—County voted bonds to build roads in Beat 5.

Tenn., Springfield—County election June 9 to vote on $150,000 bonds to improve roads. Noted May 10.

Ky., Bedford—County plans to build 12-mi. state aid macadam roads and 4-mi. country road. W. L. Harman, co. engr.

Ky., Munfordville—County plans to build 12 mi. on Carico, 4 mi. on Edmonton and 4 mi. on Jackson Highway. B. F. Bacon, co. engr.

O., Ashland—Council plans to improve portions East 4th and Virginia Sts. R. R. Conn, city engr.

O, Cincinnati—City plans to pave, grade, and curb portion Turrill St., asphalt, also install necessary drains and inlets and lay 6-in. water main. C. E. Martin, pres. council.

O., Hamilton—(Official)—Bd. Comrs. to sell $115,000 bonds May 31 to pay county's share toward improving portions Hamilton-Middletown Rd. W. W. Crawford, clk.

O., Medina—County plans to build 4¾-mi. cement road and 3½-mi. brick road. W. Hibbing, co. engr.

O., Pomeroy—County plans to build 4-mi. brick road. L. J. Burns, co. engr.

O., Ravenna—County to sell $102,000 bonds June 11 to improve I.C.H. No. 60; No. 18, Sect. V and No. 87, Sect. N. M. J. Kelly, co. aud.

O., Toledo—Council plans to improve Steel St. H. C. McClure, city engr.

O., Wauseon—County sold $28,000 bonds to improve roads.

Mich., Adrian—County plans to improve 4½-mi. road in Dover Twp., 6-mi. Fairfield Twp. and 6-mi. Ogden Twp. J. L. Richards, 154 Park St., co. surv.

Mich., Allegan—County plans to spend $50,000 to build permanent state roads. L. McLoud, Bradley, comr.

Mich., Bessemer—County voted $25,000 bonds to build roads.

Mich., Detroit—Co. voted $600,000 bonds to improve roads. Noted Apr. 19.

Ill., Edwardsville—W. E. Howden, co. supt. highways, soon lets contract for concrete paving. About $50,000.

Ill., Quincy—City estimates cost paving Grove St., brick, at $30,105.

Wis., Madison—State Highway Comn. completed tentative plans for 5000 mi. trunk highway to cross every important town and city in state. A. R. Hirst, highway comr.

Wis., Menomonie—Co. plans to spend $30,000 to grade and surface roads. F. Pieper, clk.

Wis., Phillips—County plans to build 25-mi. highways. F. Henry, co. surv.

Wis., Point Washington—County plans to build macadam roads. J. Bichler, clk.

Wis., Racine—Co. Comrs. plan to spend $11,000 to improve Sheridan Dr. J. J. Patrict, co. aud.

Wis., Rhinelander—County voted $140,000 bonds to build and improve roads. J. J. Verage, clk.

Wis., Shawano—County plans to grade and surface roads. About $50,000. O. C. Rollman, co. engr.

Ia., Creston—Council plans to build 36,000 yd. paving and 32,000 ft. curbing. T. D. DeLay, city engr.

Ia., Iowa City—County plans to pave road from Iowa City to Clear Lake. About $110,000; government to appropriate $65,000 toward cost.

Ia., Ottumwa—County plans to improve 24-mi. road. About $35,000. H. E. Cook, co. engr.

Minn., Atkin—State appropriated $20,000 to gravel Aitken-Hill City Rd. and portion Duluth-Moorhead Rd., Atkin Co.

Minn., Faribault—State to appropriate $16,000 to build roads in Rice Co. during year. F. M. Kaiseratt, co. aud.

Minn., Moorhead—State to appropriate $14,325 to build roads in Clay Co. during year. A. Houglum, co. aud.

Minn., Wheaton—County voted $20,000 bonds to build roads and bridges.

Neb., Seward—County plans to grade 200-mi. road. J. R. Roberts, clk.

N. D., Grand Forks—State to appropriate $25,000 to build roads in Grand Forks Co. during year.

Mont., Helena—Council plans to pave Dist. No. 112. About $14,000.

Mont., Livingston—County plans to spend $60,000 to build highways between Livingston and Gardiner. C. A. Vurg, clk.

Mo., Rolla—County plans to issue $300,000 bonds to build roads. W. H. Breuer, M.D., chn. rd. comn.

Ark., Little Rock—State Highway Dept. has plans prepared by H. R. Carter, highway engr., for highway work as follows: graveling road from Marvell to Lee Co. line, cost, $75,000; macadam road from Walnut Ridge to Egypt, $60,000; macadam road, asphalt finish, from DeVall's Bluff south, $20,000; macadam road from Wynee east through Cross toward Memphis, $120,000.

Ark., Pocahontas—County formed Rd. Dist. No. 2 and plans to build 35-mi. macadam road from Pocahontas to Missouri state line. About $125,000. J. D. Wells, comr.

Tex., Goesbeck—County voted $100,000 bonds to build roads.

Tex., Jefferson—County plans to grade 14-mi. road. J. V. Brashear, co. surv.

Tex., Menard—County plans to improve roads. H. J. Decker, comr.

Okla., Henryetta—City plans to pave 5th Ave.

Okla., Okmulgee—City plans to pave portion 8th St.

Okla., Prague—County election June 5 to vote on $25,000 bonds to build roads in Creek Twp.

Idaho, Grangerville—City retained Sawyer Bros., engrs., White Bldg., Seattle and Lindelle Bldg., Spokane, to prepare plans for paving business district. About $16,000.

Ariz., Holbrook—Bd. Supervs. to sell $160,000 bonds June 11 to build highways. R. S. Temple, co. clk.

Ariz., Kingman—County plans election to vote on $200,000 bonds to build roads, bridges, culverts, etc.

Ariz., Tombstone—Bd. Supervs. plans election to vote on $1,000,000 bonds to improve roads, including paving highway between Bisbee and Douglas on New Mexico state line, also highway from Bisbee through Tombstone to Pima co. line

Wash., Bellingham—City soon receives bids paving portions Grand Ave. and Utter St. about $16,000. W. H. North, city engr. Noted Apr. 19.

Wash., Olympia—State plans to build 12-mi. road near Blewett H. G. Porake, asst. state highway comr.

Wash., Shelton—County rejected bids building permanent highway No. 4. New bids. A. L. Ward, co. engr. Noted Apr. 26.

Wash., South Bend—County election June 12 to vote on $274,000 bonds to build highways in Willapa Valley.

Wash., South Bend—County plans to grade 15-mi. roads. C. Henry, co. engr.

Wash., Tacoma—Tacoma Ry. & Power Co., 1319 A St., plans to repave between tracks on B'way., St. Helens and 6th Ave. About $100,000. O. G. O. Snider, pur. agt.

Ore., Fossil—State Highway Dept. making surveys to improve roads. County voted $80,000 for project.

Ore., Salem—State election in June to vote on $6,000,000 bonds to build and improve roads.

Cal., Los Angeles—See "Excavation and Dredging."

Cal., Modesto—City election soon to vote on $40,000 bonds to pave streets, $30,000 for storm sewers and $5000 to extend water system.

Cal., Pasadena—Bd. Pub. Wks. plans to pave Holley, Green and Glenarm Sts., Raymond Ave., and Arden Rd. T. D. Allen, comr.

N. S., Truro—Town plans to spend $35,000 to build concrete sidewalks. H. Dougall, clk. and treas.

Ont., Ottawa—Dept. Pub. Wks. receiving bids in June paving streets, concrete. About $16,000.

Ont., Toronto—A. Harris, wks. comr., soon lets contract paving in western section of city. About $445,000.

Man., Winnipeg—Dept. Pub. Wks. plans to build roads. About $500,000. A. McGillivray, highway comr.

Sask., Regina—City plans to pave lanes. About $30,000. D. A. McCannel, engr.

B. C., Cowichan—Provincial Government appropriated $16,700 to build roads.

B. C., Surrey—Council plans to spend $23,450 to build and improve roads.

Bids Desired

Conn., Hartford—(Official)—Until May 31 by C. J. Bennett, state highway comr., West End. State Capitol, for building roads in various townships; advertised in this issue.

Bids Desired

N. Y., Long Island City—Until May 28 by M. E. Connolly, boro. pres., Queens Subway Bldg., regulating, grading, setting curb and laying sidewalks on portion 4th St., 2nd Ward; completing abandoned contract executed by W. J. Horle, July 20, 1916, regulating, grading, curbing and laying sidewalks in portions 38th and Woodbine Sts., 2nd Ward; regulating and grading gutter spaces and laying sidewalks on portions 78th St. and 88th Ave.

N. Y., Long Island City—Until May 31 by M. E. Connolly, boro. pres., Queens Subway Bldg., regulating, grading, paving and laying sidewalks where necessary on portions of Review and 6th Aves. asphalt block on concrete foundation; Grove and Crescent Sts., granite block on concrete foundation.

N. Y., New York—Until May 29 by D. Mathewson, boro. pres., completing contract which was abandoned by L. C. Manuell on Mar. 26, 1917, for regulating, grading and regrading, setting and resetting curb, laying and relaying sidewalks and crosswalks, building guard [illegible] and repaving with granite blocks on sand [illegible] portion East 149th St.; regulating, grading and setting curb stones, flagging sidewalks, laying crosswalks, building approaches and [illegible] fences in portion East 203rd St.; repaving with sheet asphalt and redressed granite [illegible] on concrete foundation portions East 156th St., Bathgate and Tinton Aves.; paving with bituminous concrete on cement concrete foundation portion Valentine Ave., Bronx boro.

N. Y., New York—Until May 28 by M. M. Marks, boro. pres.,, resurfacing by surface heater method asphalt pavements on portions of 90th, 94th, 95th, 97th, 100th, 108th, 115th, 117th, 119th, 120th, 124th, 137th and 144th St.; regulating and repaving with granite (durax) block pavement on concrete foundation portion Broome St.; regulating and paving with granite block on sand foundation portion of Park Terrace West and Academy St.; regulating and repaving with sheet asphalt pavement on concrete foundation portion 86th St.; regulating and repaving with wood block on concrete foundation portion Jefferson St.; regulating and repaving with bituminous concrete on concrete foundation portion 217th St. and Park Terrace West; regulating and repaving with Portland cement concrete portion Central Park Transverse No. 4.

N. J., Newark—Until May 31 by Bd. Supervs. furnishing and laying non-asphaltic oil on roads F. A. Reimer, co. engr.

Va., Covington—(Official)—Until June 4 by Mayor and Council for street improvement and sewer construction; advertised in this issue.

W. Va., Fairmont—Until June 14 by county building 15 mi. improved roads and streets, Grant Dist. A. G. Martin, clk.

Ala., Bay Minette—(Official)—Until June 6 by Co. Comrs. improving 18-mi. highway from Robertsdale to Nunnez Ferry. L. Glendinning, rd. comr.

Tenn., Johnson City—Until June 5 by Mayor and Bd. Aldermen for paving West Market St., Dist. No. 21; Pine St., Dist. 20; Roan St., Dist. 23; asphalt, asphaltic concrete, cement concrete or tarvia, involving 25,037 sq.yd. paving, 15,497 ft. curb and gutter, 12,887 ft. vitr. sewers, 17 manholes, also rein.-con. bridge, etc.

O., Lancaster—Until May 29 by O. E. Myer, clk. bd. comrs., for improving Lancaster Rd. and building Brush Water Brake Rd.

O., Lebanon—(Official)—Until May 29 by M. E. Gustin, village clk., for improving portion Mulberry St., involving 4889 sq. yd. brick pavement, 1732 lin.ft. cement curbing, 393 lin.ft. protection curbing, 2291 lin.ft. 12-, 15- and 20-ft. sewer pipe, 4 manholes, 2 special catch-basins, 10 inlets.

O., Napoleon—Until May 29 by J. E. Vogel, secy. of Henry and Defiance Co. Rd. Comrs., for building joint county road.

O., Springfield—Until June 1 by City improving portion North St. M. J. Bahin, city engr.

O., Steubenville—See "Sewers."

O., Wooster—(Official)—Until June 4 by Co. Comrs. building Rittman-Sterling Rd., monolithic brick, Wooster-Burbank Rd., concrete or monolithic brick, Burton City Eastern Rd., 14-ft. water-bound macadam. W. Bixler, comr.

Illinois—(Official)—Until May 31 by State Highway Comn., Springfield, for building roads and bridges in various counties as follows: 6700-ft. gravel road, Sect. E, Cumberland Co., cost, $6372; 8 bridges, Sect. C, Hardin Co., $1240; 50,000-ft. oiled roads, Sect. D, Henry Co., $21-816; 7600 ft. earth roads, Sect. L, McDonough Co., $4162; 5900 ft. earth roads, Sect. C, Jefferson Co., $9691.

Ia., Forest City—Until June 1 C. K. Nelson, co. audr., for portion of Winnebago Co. Road System. O. N. Gjellefald, co. engr.

Minn., Alexandria—Until May 29 by County for following road jobs: Nos. 1702, 1703, 1706, 1708, 1709 and 1713, involving 1.81-mi. acres clearing and grubbing and 24,729 cu.yd. excavation. C. H. Jensen, co. aud.

Minn., Buhl—Until May 28 by Village paving 10 blocks, concrete and bitulithic. About $10,000 G. R. Reed, clk.

Minn., Crookston—See "Excavation and Dredging."

Tex., Dallas—(Official)—Until May 30 by W. W. Peevey, city secy. for 57,848.8 sq.yd. bituminous pavement on old macadam base and concrete base 1634 lin.ft. curb and gutter, 1956 lin. ft. curb and gutter removed. About $150,000. H. Moseley, city engr.

Okla., Coalgate—Until June 5 by Co. Comrs. for grading and surfacing 20-mi. road, with necessary bridges, Phillips Twp. Hess & Skinner and Peckham & Wilkins, Dallas, engrs.

Idaho, Lewiston—(Official)—Until Aug. 13 by C. F. Leland, city clk., for 95,850 sq.ft. 4-in. concrete sidewalk, 21,605 lin.ft. concrete curb and 23,710 cu.yd. excavation, Improv. Dist. No. 11. About $26,100. D. C. Wrighter, city engr.

Washington—Until June 4 by State Highway Dept., Olympia, grading and surfacing Pacific Highway, east of Olympia and clearing, grading and surfacing 5½ mi. Pacific Highway from Renton to Kent.

Streets and Roads (Continued)

Wash., **Seattle**—Until June 10 by Co. Comrs. paving Houghton-Bellevue Rd. About $75,000 to $125,000. S. J. Humes, engr.

Cal., **Quincy**—Until June 1 by F. R. Young, co. clk., for building highway in Beckwith Rd. Dist.

Cal., **Visalia**—Until June 6 by County, building 50-mi. concrete highways. Noted Apr. 26.

Cal., **Woodland**—Until June 4 by N. Chambers, city clk., improving Court St.

Prices and Contracts Awarded

(★Indicates award of contract)

★**Mass., Boston**—Highway Comrs. let contract highway from Northampton to Chesterfield to Cordner & Montague, 433 Bay St., Springfield.

★**Mass., Boston**—Massachusetts Highway Comn. let contract surfacing portion tar road in Northampton-Easthampton to D. O'Connell & Son, 496 Hamden St., Holyoke.

★**Mass., Cambridge**—City let contract repairing various streets, bitulithic, to Warren Bros., 142 Berkley St., Boston.

N. Y., Long Island City—(Official)—M. E. Connolly, boro. pres., received low bids regulating, grading and curbing portion Madison St. from H. Cordes, 243 Moffat St., Brooklyn, $11,180; J. McAvoy, $12,745; E. W. Fitzpatrick, 128 3rd Ave., Astoria, $12,700. Noted May 10.

N. Y., Watervliet—(Official)—Bd. Estimate and Apportionment received low bids paving 6th Ave. and 15th St. from T. F. Shaughnessy, 493 Western Ave., Albany, $56,388, and W. T. Beban & Son, Troy, $60,699. Noted Apr. 26.

N. J., Jersey City—Bd. Freeholders received low bid improving Newark Turnpike with granite block from W. J. Coughlin, 665 Newark Ave., Jersey City, $547,857. Noted May 4.

N. J., Jersey City—(Official)—Bd. Comrs. received low bids paving, (a) 1st portion of Newark Ave., (b) 2nd portion Newark Ave., (c) Jackson Ave., (d) Pavonia Ave., (e) Central Ave., from R. Sangiovanni, 78 Hoyt St., (a) 98 7/10%, (b) 97 7/10%, (d) 99 3/10%; Van Keuren Contr. Co., Passaic Ave., (a) 100%, (b) 100%, (c) 98%, (d) 100%, (e) 106%; O'Reilly Contr. Co., 90 Neptune Ave., (d) 95%. Noted May 3.

★**N. J., Orange**—City let contract paving Main St., wood block, to C. Ippolito, 252 Main St., $90,225.

★**N. J., Trenton**—City let contract paving portion Pennington Ave. to A. Dilucia, 55 Butler St., $13,000; paving 3 streets to C. A. Reid & Co., 623 Monmouth St., $22,000.

★**Pa., Phila.**—Pennsylvania R.R. let contract paving Midvale St. to Manwaring & Cummins, 5622 Germantown Ave., $18,000.

★**Pa., York**—City let contract paving 9480 sq.yd. to General Supply & Constr. Co., 10 West Market St., $10,000; 5300 sq.yd. repaving North Greece St. and 2031 sq.yd. alley paving to A. B. Kraft, 511 South Water St., $10,000 and $2500, respectively.

Md. Chestertown—(Official)—Co. Comrs. received low bids building state-aid roads as follows: (a) Massey to Ireland Corner, (b) 2.21 mi. Heborns Station to State Rd., (c) 0.58 mi through Betterton, (d) 0.75 mi. through Still Pond, from Junietta Co., Empire Bldg., Phila., (a) $52,311, (b) $35,341, (c) $11,297, (d) $12794; Burgess & Dorrell, Scottsville, Va., (a) $52,149, (b) $36,693; E. R. Sytton, 603 16th St., Phila., (b) $41,431, (c) $12,352. Noted May 10.

★**Md., Hagerstown**—Co. Comrs. let contract building Mill Point-Lappans Rd. to M. J. Grove Lime Co., Lime Kiln, $33,195.

★**Va., Franklin**—(Official)—City let contract improving streets to Central Constr. and Supply Co., Lyric Bldg., 9th and Broad Sts. Richmond. Noted Apr. 5.

★**Va., Lynchburg**—State Highway Comn. let contract improving and macadamizing portion Link Rd. to S. B. Bennington, $26,171.

W. Va., Beckley—Co. Comrs. let contract building 70 mi. roads to Doggett & Dowdy. Noted Apr. 19.

★**Ga., Barnesville**—City let contract paving 14,000 sq.yd. streets, concrete, to Preston-Small Co., Macon, Ga.; 4 mi. sidewalks, concrete, to Lakeland Improv. Co., Lakeland, Fla. Total cost, $45,000. Noted Apr. 19.

★**Ala., Linden**—County let contract grading and gravelling 3-mi. road to D. R. Cook & Co., Selma, $10,000.

★**Miss., Indiana**—Co. Comrs. let contract building roads to Inland Constr. Co., Chandler, Okla., $200,000 available. Noted Apr. 26.

★**Miss., Leakesville**—County let contract building Greene Rd. to M. H. Thompson, Gulfport, $100,000.

★**O., Cleveland**—S. H. Kleinman, Garfield Bldg., let contract grading to C. Wilms, 12300 Oakfield Ave.; building sidewalks to Cleveland Stone Co., Leader-News Bldg. Total cost, $10,006.

★**O., Cleveland Heights (Warrensburg P. O.)**—City let contract improving portion Bradford Rd. to Pace Bros., 608 Marshall Bldg., Cleveland, $19,500.

★**O., East Cleveland**—City let contract paving, curbing, grading and draining various streets to Rieley Bros., 348 The Arcade, and Gould & Maybach, 823 East 150th St., $22,643 and $22,122, respectively.

★**O., Lockland**—City let contract improving Wayne Ave. to G. Murdock, 2531 Melrose St., Norwood, $22,653.

★**O., Lorain**—City let contract brick or asphalt paving and draining on various streets to Ohio Eng. Co., 647 B'way.

★**O., Napolean**—County let contract grading and macadamizing Overly Rd. to J. A. Westrick, Holgate, $11,991.

★**O., Willshire**—(Official)—Village let contract paving State St. to G. H. Hefner & Son, Celina, $21,000. Noted May 10.

★**O., Zanesville**—City let contract paving, grading and curbing portion Prospect Ave. to Bolin & Howell, $15,072.

★**Ind., Macy**—Co. let contract building roads and bridges to F. J. Williams & Son, Winamac, $29,000.

★**Ind., Spencer**—County let contract building 3-mi. crushed stone road to L. P. Harpe, Worthington, $10,006.

★**Ind., Terre Haute**—(Official)—County let contract grading, draining and paving roads to Foulkes Contr. Co., 705 Ohio St., $41,185.

★**Ill., Bloomington**—City let contract paving portion Main St., brick, to I. D. Lain, $18,767.

★**Ill., Champaign**—City let contract paving North Neil St. to J. W. Stipes, 108 North Walnut St.

Ill., Chicago—County received low bids paving roads, Northfield and New Trier Twps., from J. P. Casey & Co., 58 West Washington St., $70,946; building roads Wheeling and Northfield Twps., Ward & Son, Oak Glen, $93,400.

★**Ill., Ottawa**—Bd. Local Impvt. let contract improving Lafayette, Jefferson, Jackson and Forest Sts. to J. J. Lelx, 322 West Main St.

★**Ill., Quincy**—Co. let contract macadam road to Cameron, Joyce & Co., Keokuk, $24,464.

★**S. D., Sioux City**—City let contract paving portion 3rd Ave. and 8th St. to Western Constr. Co., Phœnix Bldg., Iowa City.

★**Ark., Texarkana**—County let contract building 70 mi. highways to Womack Constr. Co., Sherman, Tex., $489,257. Noted Apr. 26.

Wash., Olympia—(Official)—Highway Bd. received low bids paving Pend Orielle Highway, Spokane and Pend Oreille Cos., Station 0-00 to 1739-00, Newport to Mead, from Spokane Bitu-Mass Paving Co., Spokane, $17,485; Spokane Asphalt Macadam Paving Co., Hutton Bldg., $25,599.

★**Ore., Coquille**—County let contract Bandon-Curry Rd. to Hagquist & Bjorkquist, Marshfield, $49,665; Coquille-Marshfield Rd. to Elliott Contr. Co., McKay Bldg., Portland, $87,772. Noted Apr. 26

★**Cal., Auburn**—City let contract paving several streets to Tibbitts-Pacific Co., 16 California St., San Francisco, $40,891.

★**Cal., Bakersfield**—Bd. Supervs. let contract grading, paving and resurfacing 7.06 mi. and building bridges and culverts on Div. 8, Sect. 2, Old River-Maricope Co. Highway to J. D. Marsh, Box 211, Bakersfield, $58,859. Noted Apr. 26.

★**Que., Quebec**—City let contract asphaltic concrete pavement between Ste Foye Rd. and St. Augustin to Laganiere, Houde & Co., Grondins, $145,000.

★**Que., St. Malachie d'Ormstown**—(Official)—W. G. Gerrigle, secy.-treas., let contracts macadamizing roads to O'Conner Bros., Huntington, $26,670, and Howick Paving Corp., Ltd., Howick, $17,800. Noted May 3.

★**Ont., Ottawa**—City let contract paving Gloucester St. to T. G. Brigham, 85 Duke St., $20,000.

★**Ont., Toronto**—Bd. Control let contract paving portion Greenwood Ave., asphalt, to Godson Contr. Co., Ltd., Manning Chambers, $31,418.

RAILWAYS—STEAM AND ELECTRIC

Proposed Work

Connecticut—Waterbury & Bristol Tramway is having surveys made by W. G. Smith, 51 Leavenworth St., Waterbury, for line from Bristol to Waterbury. Work will begin about August. F. N. Manross, Center Forestville, Bristol, pres. J. H. Cassidy, 44 Bank St., Waterbury, secy.

New Jersey—See "Industrial Works" under "Elizabeth, N. J."

Pennsylvania—Lehigh & New England R.R. will let contract about July 1 for line from Bethlehem to Allentown, thence along east bank of Lehigh River, to connect with Catasauqua branch at Catasauqua, 8 mi. Plans include 4 or 5 highway bridges. R. H. Wilbur, 437 Chestnut St., Phila., vice pres. and genl. mgr. Noted May 3.

Delaware—Lindes & Co., Franklin Bank Bldg., Phila., represented by J. M. Satterfield, atty. at law, Dover, plans trolley road from Wilmington to lower boundary of state, 90 mi. Proposed road will run parallel to Pennsylvania R.R. If consent is granted by New Castle Co. authorities company will be incorporated under laws of State of Delaware.

Georgia—Atlanta, Birmingham & Atlantic Ry. plans extension from Waycross to Jacksonville, about 75 mi., for which surveys are being made. L. L. Beall, 30 Columbia Ave., Atlanta, ch. engr.

Florida—Alabama, Florida & Southern R.R. having surveys made extension from Malone to Grenwood, 6 mi. W. S. Wilson, Malone, vice pres. and genl. mgr.

Florida—Tamiami Trail Corp. will apply for charter for Tamiami Ry. to build line from Miami westward, northwest and then southwest to Cheveller Bay. Temporary office at Miami. J. F. Jaudon, pres. G. F. Cook, secy. Noted May 3.

Ohio—Ohio Electric Ry. plans extending line from Cincinnati to Defiance, where passenger and freight station may be erected. A. Benham, Interurban Bldg., Springfield, genl. mgr

Ohio—Youngstown & Suburban Ry. having plans prepared for double-tracking lines; also extension from Columbianna to East Palestine, 8 mi. A. W. Hartford, Youngstown, genl. mgr.

Kansas—Kansas City Northwestern R.R., 901 Main St., Kansas City, recently organized with $1,000,000 capital stock, will take over route of old Kansas City Northwestern R.R. surveyed number of years ago. Line will run from Kansas City through Wyandotte, Leavenworth, Jefferson, Jackson and Nemaha Cos. to Beatrice, Neb. L. S. Cass, R. A. Malone, E. H. Campbell, F. Schiel, Kansas City, and W. W. Hooper, Leavenworth, incorporators.

Kansas—Southwest Missouri R.R. plans to extend line from Baxter Springs to Oklahoma 7 mi., being continuation of extension from Galena Kan., to Baxter Springs. E. J. Pratt, Webb City, Mo., supt. and pur. agt.

Kansas—Union Pacific R.R. completed plans 20 mi. trackage and 2 depots on Pawne Flats at Ft. Riley. R. L. Huntley, 15th and Dodge Sts., Omaha, Neb., ch. engr.

South Dakota—North Star Electric Ry., recently organized, plans electric railway from Bellefourche, S. D., to Dickinson, N. D., via Scranton, N. D. Plans include power plant. F. E. Duba, interested.

Montana—Chicago, Milwaukee & St. Paul Ry. plans extending Blackfoot Valley extension as far as Cottonwood during year. C. F. Loweth, Railway Exchange Bldg., Chicago, ch. engr.

Montana—Montana & Southern Ry., recently incorporated with $1,000,000 capital stock, will construct lines up Big Hole and Wise River valleys to Ralston (Fishtrap P. O.) and Wisdom. E. E. Esselstyn, Butte, incorporator.

Oklahoma—R. D. Long, pur agt. and genl. mgr. of Muskogee Electric Traction Co., Muskogee, is reported interested in project to construct electric interurban line from Tulsa south to Okmulgee, 35 mi., to be part of line from Muskogee to Oklahoma City, 125 mi.

Nevada—Nevada Legislature granted franchise to W. E. Trent, Reno, for steam line from Elv, Nev., to Mina or Basalt (Sodaville P. O.) or to point on Tonopah & Goldfield R.R. to serve proposed smelter to be built in Tybo Road. Smelter will cost $4,000,000.

Arizona—City Council, Globe, granted franchise to Globe-Miami Ry. to construct electric railway from Globe to Miami. E. Sultan, Globe, secy. Noted Apr. 26.

Arizona—Tucson, Phœnix & Tidewater R.R., subsidiary of El Paso & Southwestern System, having surveys made for line from Tucson to Florence, also branch line to Copper Queen mining property. G. F. Hawks, El Paso, genl. mgr.

Washington—Yakima Valley Transportation Co. plans 3-mi. extension to Selah branch and a 1-mi. extension in Wide Hollow-Summit View Dist. west of city, to enter fruit district. N. C. Richards, 122½ West Yakima Ave., N., pres. and gen. mgr.

Prices and Contracts Awarded

(★Indicates award of contract)

★**Georgia**—Washington & Lincolnton R.R. let contract extension from Lovelace to Lincolnton to Brooks-Callaway Co., Healey Bldg., Atlanta. Noted Apr. 5.

★**Tennessee**—Cincinnati, New Orleans & Texas Pacific Ry. let contract 4-mi. railway from Robbins to Glenmary to H. H. Thrasher, 706 Bank and Trust Bldg., Knoxville; 12½-mi. line from Kings Mountain to Moreland (Butler P. O.) to Mann Constr. Co., Knoxville.

EXCAVATING AND DREDGING

Proposed Work

N. J., Newark—Reclamation—Street and Water Comrs. plan to issue $500,000 bonds to complete reclamation and improvement of lands for constructing public docks and transportation facilities. A. Archibald, city clk. M. R. Sherrard, city engr.

N. J., Trenton—Dredging—State Dept. Commerce & Navigation rejected bids dredging 2nd sect. of Bay Head-Manasquan Canal, on account of irregular bidding. Noted Apr. 19.

La., Plaquemine—Drainage—Lake Long D. D. plans election to vote on bonds to drain 35,000 acres between Plaquemine, town of Bayou Goula, Mississippi River and Grand River. E. Gay, J. Wilbert and J. Temlet, bd. mgrs.

Excavation and Dredging (Continued)

Ill., Murphysboro—Canal, etc.—A. Charles, 130 North 5th Ave., Chicago, chn. rivers and lakes comn., and L. K. Sherman, 6418 South Sangamon St., Chicago, interested in project to constructing artificial canal from Fountain Bluff (Gorham P. O.) on Mississippi River to Sand Ridge on Big Muddy River, about 6½ mi.; also to make canal of Big Muddy River to Plumfield, 55 mi. This project will enable coal to be shipped to Chicago from Murphysboro to eliminate possibility of coal famine. Plans include 2 locks and 1 dam.

Ia., Northwood—Drainage—C. N. Urdahl, co. aud., will receive bids in June for Drain No. 25, involving 22,828 ft. of 5-in. to 18-in. tile. J. H. Curtis, Northwood, engr.

Minn., Morris—Ditch—Swift Co. soon receives bids Judicial Ditch No. 5. D. P. Carney, co. aud.

Colo., Lamar—Canals and Laterals—Wiley D.D. voted $140,000 bonds to construct canals and laterals.

Utah, Provo—Drainage—Lake Shore and Benjamin Dists. will hold election June 9 to vote on $45,000 bonds to install drainage system.

Cal., Atascadero — (Official) — State Water Comn., Sacramento, granted permit to Atascadero Mutual Water Co. to take 7 cu.ft. per second of waters of Salinas River for municipal and irrigational purposes, by drawing water from wells in bottom of river by pumping plants and conducted to reservoir capable of storing 60,000 acre ft. to water 23,000 acres. About $750,000.

Cal., Coalinga—See "Reinforced Concrete."

Cal., Los Angeles—(Official)—Irrigation—State Water Comn., Sacramento, granted permit to California Highway Comn. of Los Angeles, 333 West 2nd St., to take 10 miner's in. of Salt Creek tributary to Castiac, Los Angeles Co., for highway construction and irrigation of trees, including pipe line 8 mi. long. About $30,000.

Cal., Marysville—Irrigation—(Official) — State Water Comn. granted permit to Farm Lands Investment Co., San Francisco, to take 100 cu.ft. per second of waters of Yuba and Feather Rivers for rice irrigation by means of series of 3 pumping plants and 7 mi. ditches conducting water to 7152 acres, about $31,000; also to take 150 second ft. of Feather River and Plumas and Messick Lakes, Yuba Co., by means of 3 pumping plants and 6 mi. main canals to irrigate 6463 acres.

Cal., Redding—(Official)—State Water Comn., Sacramento, granted permit to T. M. O'Keefe, Palo Cedro, to take 14.42 cu.ft. water per second of Main Cow Creek tributary to Sacramento River, Shasta Co., to irrigate 1442 acres; plans include rock and timber dam 4 ft. high and 200 ft. long and main canal and branch canals 8 mi. long. About $10,000.

Cal., Sacramento—(Official)—Irrigation—State Water Comn. granted permit to Natomas Co. of California, Forum Bldg., to take 50 cu.ft. per second of Sacramento River to irrigate 6600 acres by means of pumping plant, main ditch, 5½ mi. long and 17 mi. laterals. About $120,000.

Cal., Yuba City—(Official)—State Water Comn., Sacramento, granted permit to J. R. Catlett, Pleasant Grove, to take 7½ cu.ft. water per second of East Bypass of Rec. District No. 1001 at crossing at Auburn Ravine, consisting of removable dam and canal 1½ mi. long to irrigate 960 acres.

Bids Desired

Fla., Tallahassee — (Official)—Canal — Until June 5 by Bd. Comrs. Everglades D.D.; advertised in this issue.

O., Steubenville—Excavation—See "Sewers."

Ind., Anderson—Ditch—Until May 26 by L. Free, supt. constr. Madison Co., for Titus Ditch.

Ind., Huntington—Drainage—Until May 26 by Cline & Cline, for Ellsworth Ruggles Drain, No. 12,848. G. W. Hoch, comr.

Ind., Petersburg—(Official)—Ditch—Until June 18 by J. H. Chappell, atty., Petersburg, 8-mi. dredge ditch with necessary laterals in Flat Creek D.D. Former bids rejected. Noted May 10.

Ill., Savannah—Drainage—Until May 29 by N. D. French, secy. Savannah and York D.D., reconstructing and raising levee involving about 58,000 cu.yd. earth, construction and clearing out ditches, involving 106,000 cu.yd. earth excavation.

Ia., Grundy Center—Drainage—Until June 5 by Bd. Supervs., Grundy Co., for D.D. No. 2, involving 3600 ft. 15-in., 2100 ft. 12-in., 2800 ft. 8-in. tile, 1 bulkhead, 1 inlet, and 1 increaser, from 8-in. to 12-in.

Minn., Alexandria—See "Streets and Roads."

Minn., Crookston—Ditch—Until June 1 by H. J. Welte, co. audr., for ditch work as follows: Co. Ditch No. 112, 16,794 cu.yds. and about 1¾ mi. road work, about $2099; Co. Ditch No. 120, 9034 cu.yds. and about 1¼ mi. road work, about $1129; Co. Ditch No. 116, 49,681 cu.yd., and about 4¾ mi. road work, and 150 ft. of 2-ft. drain tile, about $6360; Co. Ditch No. 117, 64,257 cu.yds. and about 5¾ mi. road work, about $8032.

Minn., Owatonna—Ditch—Until June 6 (readvertisement) by audrs. Steel and Rice Co., Court House, Owatonna, for Judicial Ditch No. 6, involving excavation and constructing main ditch and 1 branch, consisting of 125,643 cu.yd. excavation and levelling waste banks. About $18,783. Noted May 3.

Idaho, Lewiston—See "Streets and Roads."

Cal., Fresno—Dams—Until June 12 by Dirs. South San Joaquin Irrigation Dist. for auxiliary dams at Woodward Reservoir.

Prices and Contracts Awarded

(★Indicates award of contract)

N. Y., Brooklyn—(Official)—Dredging—L. H. Pounds, boro. pres., received low bid dredging Gowanus Canal from its head to Hamilton Ave. from R. G. Packard Co., 133 Greenwich St., New York City. Noted May 10.

★Mich., Centerville—County let contract Nye Drain to C. A. Walb, $13,000 if straddle dredge is used, or $12,100 if floating dredge is used.

★Ill., Woodstock—Ditch—County let contract Crystal Lake D.D. to J. W. Debrun & Son, Assumption, open work; Streator Drain Tile Co., Streator, 29,150 ft. tile.

★Ia., Glenwood—Ditch—County let contract Nishnabotna Ditch No. 4 requiring 83,900 cu.yd. excavation, to L. E. Sternberg, Moberly, Mo.

★Minn., Elk River—(Official)—Ditch—County let contract County Ditch No. 19 to Central Contr. Co., Minneapolis, $13,402. Noted May 10.

★Minn., Fairmont—(Official)—Ditch — County let contract Judicial Ditch No. 73 to Thompson & Andersen, Windom, $34,500. Noted May 10.

★Minn., Minneapolis — (Official) — Dredging—County let contract dredging Lake Minnetonka to J. R. Johnson, Excelsior, scow dump 30c. per yd.; side dump, 15c. per yd. Noted May 10.

★Wash., Seattle—Dredging—See "Miscellaneous."

★Cal., San Diego—See "Reinforced Concrete."

INDUSTRIAL WORKS

Proposed Work

Mass., Boston—Boston Wharf Co., 259 Sumner St., will build 7-story, 110 x 100 x 110-ft. building in South Boston, to be leased to Atlantic Coast Hardware Co

Conn., Bridgeport—Connecticut Auto Mfg. Co. plans 4-story, 70 x 128-ft. factory.

N. Y., Long Island City—S. Karpen & Bro., 111 West 37th St., New York City, are having plans prepared by Ballinger & Perrot, 1328 Bway., New York City, 5-story, 100 x 450-ft. factory, Jackson Ave. between Hulst and Harold Ave. About $350,000.

N. Y., New York—Oval Garage Corp., 950 St. Johns Ave., having plans prepared by Goldner & Goldberg, archts., 391 East 149th St., for 3-story, 100 x 150-ft. garage. About $75,000.

N. J., Elizabeth—Pennsylvania & Delaware Oil Co. purchased 25 acres land along Elizabeth River and plans to spend $300,000 for buildings, pipe lines, railroad facilities, etc. A. F. Bender, 215 Broad St., Elizabeth, interested.

Pa., Phila.—(Official)—John Daly, Jr., Inc., had plans prepared by Peuckert & Wunder, archts., 310 Chestnut St., for 3-story, 80x125-ft. garage, rein.-con. with brick walls, and ornamental terra-cotta trimmings.

Pa., Pittsburgh—See "Reinforced Concrete."

Pa., Pittsburgh—Hay-Walker Brick Co., Farmers' Bank Bldg., plans 1-story, brick, concrete and steel factory, Thomas Blvd. and Braddock St. About $78,000.

Pa., Reading—Philadelphia & Reading R.R. plans 27-stall roundhouse, turntable and shops at its repair and construction plant. About $800,000. S. T. Wagner, Old Colony Bldg., Chicago, ch. engr.

Md., Baltimore—Baltimore Storage Co., 1710 Edmondson St., plans 6-story, 40x150-ft. brick and rein.-con. warehouse.

Md., Baltimore—Maryland Shipbuilding Co., 907 Lexington Bldg., having plans prepared for plant. About $1,000,000. E. F. Clarke, pres.

Md., Cumberland—Kelly-Springfield Tire Co., Cook St., Akron, O., has had plans prepared by E. Necarsulmer, archt., 507 5th Ave., New York City, for manufacturing plant. About $1,000,000. T. G. Marshall, gen. mgr.

Wash., D. C.—Semmes Motor Co., 1134 Connecticut Ave., N. W., having plans prepared by Milburn, Heister & Co., archts., Union Savings Bank Bldg., for brick and concrete garage, Rhode Island Ave. About $100,000.

Va., Newport News—Newport News Shipbuilding & Drydock Co. plans to improve plant, including machine shop, foundry addition, shipbuilding slips, machinery, etc. About $800,000. H. L. Ferguson, pres.

Va., Westpoint—York River Shipbuilding Corp., Richmond, will be incorporated with $1,000,000 capital stock, and plans plant here. W. Moore, Richmond, pres.

N. C., Roanoke—Rapids—See "Reinforced Concrete."

Ala., Alabama City—Dwight Mfg. Co. plans 3-story, 80x180-ft. picker house. About $[illegible],000.

Ky., Lexington—R. J. Reynolds Tobacco Co. plans addition. About $75,000.

Ky., Louisville—Kentucky Wagon Mfg. Co., 3rd and K Sts., plans forge shop. About $50,000.

O., Cleveland—Upson-Walton Co., 131 West 11th St., purchased site on West 11th St. and plans 6- or 7-story warehouse.

O., Dayton—See "Reinforced Concrete."

Mich., Grand Rapids—Higrade Motor Co. plans factory. About $350,000.

Ill., Chicago—Staver Motor Car Co., 3021 South Michigan Ave., plans 3-story, 75 x 175-ft. factory, Wabash and 36th Sts. About $75,000.

Wis., Clintonville—Four Wheel Drive Automobile Co. plans 1-story, 100 x 180-ft. brick and concrete addition. W. A. Olen, pres.

Wis., Marshfield—Miller Fruit Co. has had plans prepared for 3-story, 75 x 80-ft. brick and concrete warehouse and refrigerating plant. About $50,000.

Wis., Milwaukee—E. H. Karrer Co., 728 West Water St., plans 6-story, 20 x 127-ft. plant. About $50,000.

Ia., Waterloo—Illinois Central Ry. plans ice house and 150,000-gal. water tank. About $50,000. A. S. Baldwin, 135 East 11th Pl., Chicago, ch. engr.

Minn., Minneapolis—Quinn Shepherdson Co., 1122 Flour Exchange, will rebuild grain elevator, University Ave. and 25th St. T. E. Ibberson, archt., Corn Exchange, soon receives bids.

Mo., Kansas City—Kopp Baking Co., 36 South 7th St., purchased site, 6th and Splitlog Sts., and plans steam bakery. About $80,000.

Mo., St. Louis—Morris & Co., Natl. Stockyards, purchased site on Vandeventer St. and will construct cooling plant. About $50,000.

Tex., Dallas—Hamilton Carhartt Cotton Mills, 10th and Michigan Aves., Detroit, plans branch factory here. About $50,000.

Tex., Dallas—Wyatt Metal and Boiler Works, incorporated with $100,000 capital stock, plans sheet-metal and boiler-making plant.

Tex., Elmendorf—Star Clay Products Co. plans addition to its brick and tile plant. About $100,000. A. Wagner, San Antonio, pres.

Okla., Guthrie—Carter Oil Co. plans to erect oil refinery here. About $100,000. Address Chamber of Commerce.

Utah, Maryvale—Pittsburgh-Utah Potash Co. plans plant About $80,000. J. Long, Jr., supt.

Ariz., Flagstaff—See "Reinforced Concrete."

Ont., Amherstburg—Brunner-Mond Co., subsidiary of Solvay Process Co., of Detroit, having plans prepared 16-story industrial building. About $2,000,000.

Que., Maisonneuve—Eureka Toy Co. having plans prepared for factory. About $85,000.

Bids Desired

N. Y., Dunkirk—(Official)—Until May 31 by State Conservation Comn., 156 State St., Albany, for fish hatchery; advertised in this issue.

Mich., Constantine—See "Water-Works."

Prices and Contracts Awarded

(★Indicates award of contract)

★Vt., Bennington—See "Reinforced Concrete."

★Mass., Boston—(Charlestown P. O.)—See "Reinforced Concrete."

★Mass., New Bedford—Taunton-New Bedford Copper Co., North Front St., let contract rolling mill and machine shop to J. W. Bishop & Co., 109 Foster St., Worcester, $250,000. Noted Apr. 26.

★R. I., Cranston—Landelier Mfg. Co., 67 Clifford St., let contract brick factory to W. H. Hamlin & Co., 78 Mawney St., Providence, $50,000.

★N. Y., East Salamanca—(Salamanca P. O.)—Buffalo, Rochester & Pittsburgh Ry. let contract machine and erecting shops, transfer table, blacksmith shop and storehouse to Westinghouse Church Kerr Co., 37 Wall St., New York City, $500,000.

★N. Y., New York—Tremont Silk Mills, Webster Ave. and 174th St., let contract addition to J. A. Zimmerman, 16 East 41st St., $60,000. Noted Apr. 5.

★N. J., Newark—General Electric Co., Boyd St. and 17th Ave., let contract plant on Lillie St. near 17th to F. W. Mark Constr. Co., Finance Bldg., Phila., $360,000. Noted Apr. 17.

★Pa., Erie—Anchor Line, Holland St., let contract, unloading tower to H. L. Stevens & Co., 910 South Michigan Ave., Chicago, $100,000.

★Pa., Hazleton—See "Reinforced Concrete."

★Pa., Phila.—Orinoka Mills, Ruth and Somerset Sts., let contract brick and concrete addition to W. Steele & Sons Co., 1600 Arch St., $150,000.

★Pa., Phila.—Shane Bros. & Wilson, 63rd and Market Sts., let contract 5-story, 60 x 100-ft. addition to flour mill to R. Killough, Wayne Ave. and Duval St.

Industrial Work (Continued)

★Pa., **Phila.**—S. P. Wetherill, Morris Bldg., let contract factory, 618-20 Cherry St., to Cramp & Co., Denckla Bldg., $85,000.

★Pa., **Phila.**—See "Reinforced Concrete."

★O., **Sandusky**—Hinde-Dauch Paper Co, 821-31 Water St., let contract factory to W. M. Sutherland, Leather Bldg., St. Louis, $500,000.

★O., **Springfield**—Steel Products Co., Columbia and Dakota Sts., let contract 3-story brick and steel addition to Ritchie-Werts Co., South Perry St., Dayton.

★Mich., **Detroit**—See "Reinforced Concrete."

★Mich., **Detroit**—Matthews Mfg. Co. let contract 2-story, brick foundry and 1-story, steel power plant, 62-68 Chatfield St., to Walbridge-Aldinger Co., 2356 Penobscot Bldg, $50,000.

★Mich., **Detroit**—Parson Mfg. Co, c/o Kinsley Bros., 2799 South 5th Ave, let contract plant to J. Springer, Builders' Exchange, Cleveland, $70,000. Noted Apr. 19.

★Mich., **Detroit**—See "Reinforced Concrete."

★Ill., **Chicago**—S. H. Rosenthal, 2611 Indiana Ave., let contract brick storage building, 2911-17 Indiana Ave., to Anderson & Winblad, 6235 Michigan Ave., Chicago, $150,000.

★Kan., **Topeka**—See "Reinforced Concrete."

N. D., **Grand Forks**—(Official)—We have been informed that McKinney-Fuller Motor Co. did not award the contract for plant to Northern Constr. Co., Elkhart, Ind. Noted May 10.

★Utah, **Salt Lake City**—See "Reinforced Concrete."

★Ore., **Portland**—See "Reinforced Concrete."

★Que., **Three Rivers**—St. Maurice Foundry Co. let contract foundry to Nobert, Dugre & Arseneau, $30,000.

★Ont., **Ft. William**—Western Grain Co., 338 Grain Exchange Bldg., let contract elevator to Fegles-Bellows Engr. Co., 1101 Union Bank Bldg., $90,000.

★Ont., **Toronto**—Dominion Envelope Co., 90 Ontario St., let contract mill and brick addition to warehouse to T. Essery, Elliott House, Shuter St., $50,000.

BUILDINGS

Proposed Work

Me., **Presque Isle**—Normal School—State had plans prepared by W. E. Mausur, archt., Bangor, 3-story, 67 x 138-ft. About $50,000.

Conn., **Darien**—School—Bd. Educ. having plans prepared by P. Sunderland and E. Watson, archts., Library Ave., Danbury, 2-story. About $75,000 J. F. Williams, supt.

Conn., **Milford**—Schoolhouse—Town voted $150,000 bonds to build schoolhouse.

Conn., **South Norwalk**—Bd. Educ having plans prepared by J. A. Jackson, archt., 1123 Broadway, New York City. About $50,000. J. Cobrun, chn.

N. Y., **Buffalo**—Club—Saturn Club, c/o J. L. Crane, Delaware and Edwards Sts., having plans prepared by Lansing, Bley & Lyman, archts, 250 Delaware Ave., 8-story, 80 x 118-ft. About $400,000.

N. Y., **Corona**—Theater—A. Nathanson, c/o Feinberg & Ricca, archts., 26 Court St., Brooklyn, had plans prepared, 2-story, 100 x 125-ft. About $75,000.

N. Y., **Geneseo**—School—Geneseo State Normal School, Geneseo St., plans addition. About $80,000. L. F. Pilcher, Capitol, Albany, archt.

N. Y., **New York**—City having plans prepared by Pilcher & Tachan, archts., 109 Lexington Ave., addition and alteration to armory, Park Ave. and 94th St. About $260,000.

N. Y., **North Tarrytown**—Hospital—I. L. Rice Memorial Hospital for Convalescents, 61 Broadway, had plans prepared by H. B. Herts, 345 5th Ave., New York City, 3-story, 150 x 350-ft.

N. Y., **Syracuse**—School—Bd. Educ. soon receives bids 3-story addition to Lincoln School. N. H. LaVaute, 1st Natl. Bank Bldg., archt.

N. Y., **Wyantskill**—(Official)—Sanitorium—Bd. Supervs of Bldg. and Supply Comn. receiving bids in June, sanitorium, including water plant and sewage-disposal plant. About $150,000. Noted May 10.

N. J., **Camden**—Bank—Merchants Trust Co., Broadway and Baird St, having plans prepared by P. A. Davis, archt., 1713 Sansom St., Phila, 1-story, 40 x 90-ft. About $80,000. A. Frey, pres. and chn. bldg. com.

N. J., **Glassboro**—School—City plans election to vote on $60,000 bonds to build school.

N. J., **Newark**—Business—A. W. Moore, 22 Green St., had plans prepared by H. Baechlin, archt., 665 Broad St., 2-story, 50 x 125-ft. About $65,000.

N. J., **Princeton**—Station—Pennsylvania R.R. soon receives bids 1-story, stone and steel, passenger, freight and express station. About $75,000. W. H. Cookman, Broad St. Station, Phila., archt. A. C. Shand, Broad St. Station, Phila., ch. engr.

N. J., **West New York**—School—Bd. Educ. plans to build P. S. No. 1, 3-story, 150 x 200-ft. About $200,000 H. G. Auf der Heide, pres. W. Mayer, Jr., and E. Manhan, 711 Bergenline Ave., archts.

Pa., **Chester**—Hotel—G. Shober, 305 Market St., Phila., having plans prepared by E. E. Wilson, archt., 1208 Chestnut St., Phila., 4-story.

Va., **Petersburg**—Bank—Natl. Bank, Sycamore and Tebb Sts., had plans prepared by Ferguson, Calrow & Vrenn, archts., Virginia Bank Bldg., Norfolk, 2-story, 40 x 100-ft. About $60,000. W. L. Venoble, cashier.

Va., **Roanoke**—School and Church—Belmont Methodist Episcopal Congregation had plans prepared by H. L. Cain, archt., Merchants Bank Bldg., Richmond, 1-, 2- and 3-story. About $50,000 J. H. Batthis, pastor.

W. Va., **Charleston**—Hotel—Holly Hotel having plans prepared by C. C. & E. A. Weber, archts., Citizens Natl. Bank Bldg., Cincinnati, for 4-story addition.

W. Va., **Moundsville**—(Official)—Schools—City voted $165,000 bonds to build 4 schools. E. B. Franzheim, archt., Schmulbach Bldg., Wheeling, preparing plans. Noted May 10.

N. C., **Henderson**—Bank—1st Natl. Bank soon receives bids. About $60,000. Milburn, Heister & Co., archts., Union Savings Bank Bldg., Wash., D. C., prepared plans.

La., **New Orleans**—Club—Louisiana Motor Co., Inc., 621 St. Charles St., having plans prepared by R. De Buys, archt., Hibernia Bank Bldg. About $50,000.

Tenn., **Johnson City**—School—City voted $50,000 bonds to build new school.

Ky., **Frankfort**—Hotel—Capitol Hotel having plans prepared by C. C. & E. A. Weber, archts., Citizens Natl. Bank Bldg., Cincinnati, for addition.

O., **Carey**—Church—Shrine of Our Lady of Consolation Congregation had plans prepared by J. J. Gander, archt., 61 State St, Albany, 1½-story, 125 x 150-ft. About $85,000. A. Fish, pastor.

O., **Cleveland**—School—Bd. Educ. having plans prepared by W. R. McCormick, archt., East 6th St and Rockwell Ave., for 2-story addition to Rice School. About $160,000. F. G. Hogan, dir.

O., **Columbus**—Y. M. C. A. having plans prepared by O. Darst, archt, 145 North High St., for 2 buildings. About $400,000.

O., **Defiance**—High School—Bd. Educ. plans, 3-story About $200,000. McLaughlin & Hulssen, archts., 610 Savings Bldg., Lima, soon receives bids.

O., **Middleport**—Lodge and Club—Masonic Fraternity having plans prepared. About $50,000.

O., **Rocky River**—High School—Bd. Educ. soon receives bids, 2-story, 80 x 120-ft. About $60,000. W. H. Nicklas, 1900 Euclid Bldg., Cleveland, archt.

O., **Springfield**—Dormitory and Hospital—Pythian Home for Aged retained R. C. Gotwald, archt., Totwald Bldg., to prepare plans. Cost, $50,000.

O., **Toledo**—Station—Pennsylvania Lines West of Pittsburgh plans, to be used also as pier for railroad and steamship traffic. Project will cost several million dollars T. Rodd, Pennsylvania Station, Pittsburgh, ch. engr.

O., **Toledo**—Exchange—Central Union Telephone Co., plans, Geneva and Arlington Aves. About $70,000. C. B. Abbott, 14 Spitzer Bldg, mgr.

Ind., **Battle Ground**—High School—Bd. Educ. had plans prepared by C. W. Nicol, archt., 212 Murdock Bldg., LaFayette, 1-story, 48 x 80- and 62 x 168-ft. About $50,000. O E. Throokmorton, M.D., trustee.

Ind., **Ft. Wayne**—Y. M. C. A. Bldg. Com. had plans prepared by Shattuck & Hussey, archts., 19 South La Salle St., Chicago, and C. R. Weatherhogg, archts., Hamilton Natl. Bank Bldg., for 8-story, rein.-con., brick and stone building at East Washington Blvd. and Barr St. A. H Perfect, chn.

Mich., **Adrian**—Auditorium—St. Josephs Academy plans. About $125,000. P. Diedrich, archt., 502 Chamber of Commerce Bldg., Detroit, soon receives bids.

Mich., **Detroit**—Store—W. E. Bedell, Inc, 200 5th Ave., New York City (main office), acquired site at 183-85 Woodward Ave., and is having plans prepared by Smith, Hinchman & Grylls, archts. and engrs., Washington Arcade, 10-story.

Ill., **Elgin**—Clubhouse—Loyal Order of Moose to build. Cost, $150,000.

Ill., **Kewanee**—Hospital—Kewanee Public Hospital, c/o W. F. Jones, 309 Tremont St., plans, 2-story. About $50,000. J. G. Beadle, archt., Galesburg, preparing plans.

Wis., **La Crosse**—Church and Rectory—St. Mary's Congregation retained Parkinson & Dockendorff, archts., Tinker Bldg., to prepare plans. About $80,000. Noted Jan. 25.

Wis., **Madison**—Theater—F. & H. Amusement Co. had plans prepared by G. Rapp, archt., 69 West Washington St., Chicago, theater on East Mifflin St. About $60,000 or $75,000.

Wis., **Milwaukee**—Store—E. H. Karrer Co., 278 West Water St., plans, 3-story, rein.-con. and brick. About $50,000.

Ia., **Centerville**—High School—Bd. Education receiving bids in June, 2-story, 160x200-ft. brick. About $150,000. M. B. Cleveland, 603 1st Natl Bank Bldg., Waterloo, archt.

Ia., **Columbia Junction**—High School—Bd. Educ. retained Ecklund, Fugard & Knapp, archts., Moline, to prepare plans About $90,000.

Ia., **Corydon**—Schools—City plans election to vote on $80,000 bonds to build schools.

Ia., **Cresco**—Schools—Bd. Educ. having plans prepared by G. L. Lockhart, archt., 391 Endicott Bldg., St. Paul, for vocational and grade school. About $70,000. A. Tiss, supt.

Ia., **Marshalltown**—School—Independent School Dist. will vote May 31 on $68,000 bonds for primary and vocational school and $12,000 for primal building.

Ia., **Mason City**—School—City voted $100,000 bonds to build school. J. H. Felt & Co., 800 Grand Ave. Temple, Kansas City, Mo., archts.

Minn., **Bemidji**—Normal School—State Bd. Control soon lets contract, for which $75,000 has been appropriated by State Legislature. C. H. Johnston, 715 Capital Bank Bldg., archt.

Minn., **St. Paul**—Schools—City will hold election June 18 to vote on $3,000,000 bonds to build school. J. I. Farley, clk.

Kan., **Ft. Riley**—Depots—See "Railways."

Kan., **Ft. Scott**—School—Bd. Educ. voted $90,000 bonds to build school. C. W Mitchell, secy. W. T. Schmitt, Oklahoma, archt. Noted Apr. 5.

Kan., **Hutchinson**—High School—Bd. Educ. plans, brick, stone and rein. con. About $128,000. W. E. Hulse & Co., 1st Natl Bank Bldg., archts.

Kan., **Kansas City**—Auditorium—City plans, 3-story, 125x130-ft., brick, stone and concrete. About $125,000. Rose & Peterson, Barker Bl., archts.

S. D., **Mt. Vernon**—School—City voted $50,000 bonds to build school.

S. D., **Parker**—Court House—County defeated $200,000 bonds to build court house. V. B. Clugeman, clk.

Mont., **Helena**—Office—1st Securities Co. plans, 5-story. About $325,000 H. L. Stevens Co., 910 South Michigan Ave., Chicago, archts.

Mont., **Livingston**—High School—City will vote June 2 on $68,000 bonds to build high school.

Mo., **Kansas City**—Temple—Scottish Rite Temple, 15th and Troost Ave., plans, Linwood Blvd. and The Paseo. About $250,000.

Mo., **Mexico**—Academy—Missouri Military Academy had plans prepared for 3-story addition. About $50,000 A. Burton, pres. Barnett, Haynes & Barnett, archts., Century Bldg., St. Louis, receiving bids about June 1.

Tex., **Bryan**—School—School Bd. plans election to vote on $100,000 bonds to build school.

Tex., **Calvert**—School—School Dist. soon lets contract About $50,000. Ross & Cason, Amicable Bldg., Waco, archts. Noted May 17.

Tex., **Dallas**—Theater and Office—Interstate Amusement Co., c/o J. Eberson, archt, 64 East Van Buren St., Chicago, having plans prepared, 10-story, 120 x 200-ft. About $350,000.

Okla., **Guymon**—School—Bd. Educ. had plans prepared by Hawk & Parr, archts., Security Bldg, Oklahoma. About $57,000. C. A. Nash, secy

Okla., **Shawnee**—Schools—Bd. Educ. voted $90,000 bonds to build 2 ward schools and high school.

Utah, **Ogden**—High School—City had plans prepared by L. S. Hodgson, archt., Perry Hudson Bldg. Bids will soon be received. Noted May 17.

Wash., **Bremerton**—Osman Amusement Co. having plans prepared by M. Umbrecht, archt., Arcade Bldg., Seattle, 2-story, 60x105-ft. About $75,000.

Cal., **Sacramento**—See "Reinforced Concrete."

Cal., **San Francisco**—See "Reinforced Concrete."

Ont., **Toronto**—Bank—Canadian Bank of Commerce soon receives bids stone and brick bank. Dominion Realty Co., King and Jordan Sts., archts.

Bids Desired

Pa., **Vandergrift**—(Official)—High School—Until June 12 by T. B. Graden, secy. Bd Educ. About $125,000. W. G. Eckles, Lawrence Savings and Trust Bldg., Newcastle, archt. Noted May 3.

W. Va., **Wheeling**—High School—Until June 2 by S. S. Jabob, Jr., secy. Bd. Educ. Triadelphia Dist, Ohio Co. F. F. Faris, Schmulback Bldg., archt.

Ga., **Macon**—Auditorium—Until May 28 by city 140 x 206-ft., hollow tile and concrete. About $100,000. A. Blair, archt.

Buildings (Continued)

O., Bedford—High School—Until May 28 by A. L. Colburn, pres. bd. educ., 2-story, 62x90-ft. About $50,000. C. E. Beal, 401 Lodi St., Elyria, archt.

O., Cleveland—School—Until June 11 by Bd. Educ., East 6th St. and Rockwell Ave., 3-story, 75 x 175-ft. Gladstone School. About $200,000. W. R. McCormick, East 6th St. and Rockwell Ave., archt. Noted May 10.

Ia., Centerville—High School—Until June 5, J. B. Bruckshaw, secy., bd. educ., 2-story, 150x200-ft., brick, stone or terra cotta and rein.-con. About $150,000. M. B. Cleveland, 603 1st Natl. Bank Bldg., Waterloo, archt.

Ia., College Springs—School—Until June 4 by Bd. Educ., 3-story, 72 x 134-ft., brick, stone and concrete. About $65,000. W. N. Dow, secy. Noted May 17.

Ia., Randolph—School—Until June 9 by A. L. Duncan, secy., bd. dirs. Randolph Consolidated Independent School Dist. C. M. Nye and N. C. Robinson, archts.

Ia., Rockwell City—(Official)—Reformatory—Until June 5 by F. S. Treat, secy. state bd. control, Des Moines, to include 4 buildings. Proudfoot Bird & Rawson, 810 Hubbell Bldg., Des Moines, archts.

Minn., Aurora—(Official)—High School—Until June 12 by W. J. Rashleigh, clk., Independent School Dist. Tyrie & Chapman, 320 Auditorium Bldg., Minneapolis, archts.

N. D., Fargo—(Official)—Grade School—Until June 4 by E. G. Guthrie, secy. bd. educ. About $100,000. Haxby & Braseth, 113 Bway., archts. Noted Apr. 12.

N. D., Lakota—Until June 15 by Lakota Hotel Co., 3-story, 78 x 85-ft. About $50,000. W. F. Kurke, Fargo, archt.

Prices and Contracts Awarded

(★Indicates award of contract)

★**Mass., Boston**—Dormitory—Hebrew Ladies' Home for Aged, 21 Queen St., let contract, 3-story, 30 x 100-ft., brick, to Nathan Fritz Contr. Co., 62 Maywood St., Roxbury. Noted May 10.

★**Mass., Pittsfield**—Lodge and Office—L. G. Lloyd, 395 North St., let contract, North and Bradford Sts., to Tracy Bros. Co., Central Ave. and Grove St., $50,000. Noted May 17.

★**Conn., Bridgeport**—City let contract public welfare building, Washington and Madison Aves., to Eastern Engr. & Constr. Co., Main and Elizabeth St., Derby, $150,000.

N. Y., Brooklyn—(Official)—L. H. Pounds, boro. pres., Boro Hall, received low bid reconstructing Kings Co. courthouse from P. J. Carlin Co., 1123 Bway., New York City, $562,000.

★**N. Y., Brooklyn**—Y. M. C. A. let contract 4-story, 75x100-ft., brick and stone building, 405 Carlton Ave., to Trinity Constr. Co., 215 Montague St.

★**N. Y., Brooklyn**—Hospital—Trustees of Carson C. Peck Memorial Hospital, 350 Fulton St., let contract, Crown and Montgomery Sts., to J. C. Heggman Co., 33 West 42nd St., New York City, $300,000.

N. J., Englewood—High School—Bd. Educ. received low bid Lincoln High School from De Riso & Arena, 425 Bergenline Ave., Union. About $175,000. Noted May 3.

★**Pa., Bradford**—Church—1st Presbyterian Congregation let contract to E. N. Unruh, 54 Main St. About $100,000.

★**Pa., Charlerol**—City Hall—Boro. let contract to Charlerol Lumber Co., Charlerol, $55,000. Noted Apr. 26.

★**Pa., Nesquehoning**—High School—Town let contract to Schamokin Lumber Co., 37 South 5th St., Schamokin, $77,000.

★**Pa., Olney**—School and Church—Olney Presbyterian Congregation let contract to F. L. Hoover & Sons, 1023 Cherry St., Phila., $80,000. Noted Apr. 12.

★**Pa., Phila.**—(Official)—Sanitorium—Bella Vista Sanitorium let contract, 2-story, to H. P. Schelder, 3717 Old York Rd. Noted May 10.

★**D. C., Brookland**—Branch House—Catholic University let contract branch house at St. Mary's Seminary to C. J. Cassidy Co., 715-16 Southern Bldg., Wash. About $200,000.

★**S. C., Gaffney**—Hotel—Gaffney Hotel Co. let contract to V. I. Spurgeon & Co., Gaffney, $60,000.

★**Ga., Decatur**—Court House—De Kalb Co. let contract, 2-story, 80x144-ft., to Donaldson & Pearson, 25 Houston St., Atlanta.

★**Ky., Ashland**—High School—Bd. Educ. let contract to Sanders Constr. Co., $100,000.

★**Ky., Lexington**—Church—Broadway Christian Congregation let contract to F. Corbin, Lexington, $100,000. Noted May 17.

★**O., Youngstown**—Art Galley—J. G. Butler, Jr., c/o McKim, Meade & White, archts., 101 Park Ave., New York City, let contract to J. H. Parker Co., 315 4th Ave., New York City. About $100,000.

★**Ind., Terre Haute**—School—Bd. Educ. let contract Sarah Scott School to A. W. Stoolman, 1001 South 3rd St., Champaign, $93,773. Noted May 10.

★**Ia., Sioux City**—(Official)—High School—Bd. Educ. let contract to N. Olen, Sioux City, $69,000. Noted May 3.

★**Mont., Glasgow**—Bank—Farmers and Stockgrowers Bank let contract to Leigland & Kleppe, Tod Bldg., Great Falls, $60,000.

★**Nev., Fallon**—High School—See "Reinforced Concrete."

★**Wash., Bremerton**—Theater—Aswald Amusement Co. let contract, 2nd St. near Pacific Ave., to A. G. Benbennick, $75,000.

★**Wash., Ephrata**—Court House—Comrs. Grant Co. let contract to J. F. Lorenz, 1009 24th St., Spokane, $63,263.

★**Ore., Salem**—Hospital—Oregon State Hospital for Insane let contract to Parker & Banfield, Columbia Bldg., Portland, $50,644. Noted May 17.

★**Cal., Fresno**—Theater—Einstein Investment Co. let contract, Van Ness St., to Trewhitt & Shields, Fresno, $107,500.

FEDERAL GOVERNMENT WORK

Proposed Work

N. Y., New York—Structural Shop—Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., having plans prepared.

Va., Norfolk—Hospital—Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., preparing plans emergency hospital.

S. C., Charleston—Hospital—Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., preparing plans emergency hospital.

Fla., Key West—Buildings—Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., received no bids quarters for chief petty officers at distant control naval radio station. Noted Apr. 26.

Mich., Port Huron—Lookout System—J. A. Wetmore, superv. archt., Treas. Dept., Wash., received no bids erection at custom house and post office. Noted May 3.

Ariz., Nogales—Bridge—J. A. Wetmore, superv. archt., Treas. Dept., Wash., received no bids bridge on customs reservation. Noted Apr. 26.

Wash., Bremerton—Barracks—Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., preparing plans emergency barracks, Puget Sound Navy Yard. About $250,000.

Bids Desired

Mass., Ft. Andrews—Reservoir—Until June 6 by Constr. Quartermaster, Ft. Warren, Mass., for 300,000-gal. concrete reservoir. C. O. Zollars, capt. coast artillery corps.

Wash., D. C.—Coast Guard Station—Until June 14 by Navy Dept., U. S. Coast Guard, Wash., for Coast Guard Station No. 184, Creeds Hill, N. C. E. P. Bertholf, capt. commandant.

Wash., D. C.—Laboratory—Until June 2 by Donn & Deming, 808 17th St., N. W., for radio laboratory for Bureau of Standards.

Wash., D. C.—Radio Buildings, Etc.—Until June 11 by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., radio buildings at Portland, Me.; Portsmouth, N. H.; North Truro, Mass.; Charleston, S. C., and St. Augustine, Fla.; 1 1-story wood frame quarters and 1—125-ft. self-supporting steel tower at Jupiter, Fla.; 1-story dormitory and outhouse, receiving building and 3 150-ft. guyed steel pipe masts at New Orleans, La.

Wash., D. C.—Radio Buildings—Until June 11 by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., at high-power radio station, El Cayey, P. R.

Wash., D. C.—School—Until May 29 by O. P. Newman, Dist. Comr., Room 509, Dist. Bldg., for addition to school, Division Ave. and Hays St., N. E., Burrville.

Wash., D. C.—Shell Houses, Etc.—Until June 4 by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., for 2 shell houses, 1 torpedo storehouse and 1 magazine building, at naval ammunition depot, St. Juliens Creek, Va. Noted May 10.

Va., Cape Henry—Building—Until June 7 by U. S. Dept. Agriculture for 3-story building for Weather Bureau, U. S. Dept. Agriculture.

Va., Norfolk—Traveling Cranes—Until May 28 by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., for foundry at Navy Yard. Noted May 17.

Tenn., Memphis—Barge—Until June 15 by Mississippi River Comn., U. S. Engr. Office, Custom House, Memphis, 1 steel barge, No. 1719; advertised in this issue.

Wis., LaCrosse—Heating System—Until May 28 by J. A. Wetmore, superv. archt., Treas. Dept., Wash., for heating system in post office.

Wyo., Cody—Post Office—Until June 1 by J. A. Wetmore, superv. archt., Treas. Dept., Wash.

Ark., Fordyce—Post Office—Until June 22 by J. A. Wetmore, superv. archt., Treas. Dept., Wash.; advertised in this issue.

Tex., Ft. Bliss—Pumping Station—Until June 14 by Depot Quartermaster, El Paso, Tex. Advertised in this issue.

Okla., Altus—Post Office—Until June 1 by J. A. Wetmore, superv. archt., Treas. Dept., Wash.

Colo., Denver—Gates—Until June 1 by U. S. Rec. Ser., Denver, furnishing lateral turnout gates for Sun River Irrigation Project, Mont., and Boise Irrigation Project, Idaho, material furnished will require about 15 tons of metal work.

Cal., San Pedro—Heating Systems—Until June 1 by Constr. Quartermaster, 1206 Pacific Ave., San Pedro, for gas-fired heating systems in various buildings to be constructed at Ft. MacArthur, Cal.

Prices and Contracts Awarded

(★Indicates award of contract)

N. H., Portsmouth—Capt. Commandant, U. S. Coast Guard, Wash., D. C., received low bids, coast guard station, Quoddy Head, Me. from McDonald & Kivell, 153 Milk St., Boston, $9500, time Sept. 8; T. A. Cassidy, Fitchburg, Mass., $10,600, time Sept. 1; Fadas & Son, Provincetown, Mass., $14,874, time Dec. 15. Noted Apr. 26.

★**R. I., Newport**—Buildings—Bureau Yards and Docks, Navy Dept., Wash., let contract seaman's gunners' quarters, Naval Torpedo Station to G. Baker Long, 340 Main St., Worcester, Mass., $131,000. Noted May 10.

★**Pa., Ft. Mifflin**—(Phila. P. O.)—Fence—Bureau Yards and Docks, Navy Dept., Wash., let contract at Naval Ammunition Depot to Cyclone Fence Co., Waukegan, Ill. $22,413. Noted May 17.

★**Pa., Media**—Post Office—J. A. Wetmore, superv. archt., Treas. Dept., Wash., let contract to W. H. Fissell & Co., 1133 Bway., New York City, $48,700. Noted May 17.

★**Pa., Phila.**—Barracks—Bureau Yards and Docks, Navy Dept., Wash., let emergency contract for emergency barracks to Fraser, Brace & Co., 1328 Bway., New York City, $200,000. Noted Apr. 26.

Pa., Phila.—Pumping Plant—Bureau Yards and Docks, Navy Dept., received only bid, at dry docks at Phila. and Norfolk Navy Yards, from Worthington Pump and Machinery Corp., 115 Bway., New York City, using General Electric equipment, both $366,981, Norfolk, $187,666, Phila., $185,786; using Westinghouse equipment, both $390,828, Norfolk, $203,573, Phila., $198,257. Noted Apr. 26.

★**Md., Indian Head**—Sulphur Storehouse—Bureau Yards and Docks, Navy Dept., Wash., let contract to Penn Bridge Co., Bond Bldg., Wash., $23,921. Noted May 17.

Wash., D. C.—Building—Bureau Yards and Docks, Navy Dept., received low bids, repairs to Naval Hospital, from Melton Constr. Co., 14th and H Sts., $47,435; Skinker & Garrett, 1416 F St., $46,460; W. E. Mooney, Evans Bldg., $40,763. Noted May 10.

★**Wash., D. C.**—Buildings—Bureau Yards and Docks, Navy Dept., let contract contagious wards at following points: Great Lakes, Ill., C. F. Carson & Co., 155 North Clark St., Chicago, $29,400; Newport, R. I., Martin F. Kelly, 51 East 41st St., New York, $25,257; Portsmouth, N. H., G. B. Long, 340 Main St., Worcester, Mass. cost plus 10%; Norfolk, Va., Newport Contr. and Engr. Co., Silsby Bldg., Newport News, Va., $48,100. Noted May 17.

★**Wash., D. C.**—Grading—Dist. Comrs. let contracts to G. Hyman, 2117 E St., N. W., 50c. per cu.yd for grading Tracy Pl; H. F. Voight Co., Inc., 715 14th St., N. W., 48c. cu yd. for Thornton Pl., 50c. per cu.yd. 14th St., N. E., and 29c. for 8th St., N. W. Noted May 10.

Wash., D. C.—Sewers—Dist. Comrs., Room 509, Dist. Bldg., received bids, May 14, (a) excavation, (b) masonry, (c) vitrified brick masonry, (d) sewer brick masonry, from W. F. Brenizer Co., Q near 1st St., N. W., (a) 95c., (b) $9.50, (c) $23, (d) $16; W. F. Cush, 1st and F Sts., N. W., (a) $1.45, (b) $7.95, (c) $23, (d) $15. Noted May 10.

Va., Norfolk—Pumping Plant—See "Phila., Pa."

★**S. C., Charleston**—Barracks—Bureau Yards and Docks, Navy Dept., Wash., let emergency contract for emergency barracks to Charleston Engr. and Constr. Co., 58 Broad St., Charleston, at cost plus 10%, about $200,000.

S. C., Columbia—Post Office—J. A. Wetmore, suprev. archt., Treas. Dept., Wash., received low bids, May 15, (a) Mt. Airy granite, (b) Stone Mountain granite, from W. H. Maxwell, Lakeside, Wash., $279,800, any satisfactory stone; Wise Granite and Constr. Co., American Natl. Bank, Richmond, Va., (a) $304,000, (b) $310,000; G. T. Waring, Columbia, (a) $328,000, (b) $334,000.

Ga., Fitzgerald—Post Office—J. A. Wetmore, superv. archt., Treas. Dept., Wash., received bids, May 14, (a) limestone, (b) standstone, from Wise Granite and Constr. Co., American Natl. Bank, Richmond, Va., (a) $41,900, (b) $43,000; W. F. Brent, Board of Trade Bldg., Norfolk, Va., (a) $42,768, (b) $43,218; A. Blair, Hill Bldg., Montgomery, Ala., (a) $45,247. Noted Apr. 10.

La., New Orleans—Storage Shed—Bureau Yards and Docks, Navy Dept., Wash., received low bids from Penn Bridge Co., Bond Bldg., Wash., $49,475; J. Thatcher & Sons, 60 Park Ave., Brooklyn, N. Y., $52,425; V. Lambou, 625 Broad St., New Orleans, $56,469. Noted Apr. 26.

Federal Government Work (Continued)

Tenn., **Athens**—Post Office—J. A. Wetmore, superv. archt., Treas. Dept., Wash., received low bids, May 16, (a) limestone, (b) standstone, from W. F. Brent, Bd. of Trade Bldg., Norfolk, Va., (a) $44,204, (b) $44,604; A. Blair, Hill Bldg., Montgomery, Ala., (a) $46,500; W. H. Fisell & Co., 1328 Bway., New York City, (a) $51,000, (b) $52,000. Noted Apr. 19.

O., **Cleveland**—Breakwater and Riprap—U. S. Engr. Office, Cleveland, received bid, May 11, repairing rubble mound east breakwater and riprap in front of west breakwater, from Central Dredging Co., 1105 Swetland Bldg., $85,800. Noted Apr. 19.

Mich., Port Huron—Dredging—U. S. Engr. Office, Detroit, received low bid, Black River, from Great Lakes Dredge and Dock Co., Monroe Bldg., Chicago, 16c. per cu.yd. Noted Apr. 5.

★**Wis., Beaver Dam**—Post Office—J. A. Wetmore, superv. archt., Treas. Dept., Wash., let contract to W. D. Lovell, 1415 8th St., S. E., Minneapolis, $48,325. Noted May 17.

Ia., Cedar Falls—Post Office—J. A. Wetmore, superv. archt., Treas. Dept., Wash., received low bids, May 17, (a) limestone, (b) sandstone, from C. Weitz & Sons Co., 713 Mulberry St., Des Moines, (a) $49,990; Northern Constr. Co., 421 Milwaukee St., Milwaukee, (a) $49,998, (b) $50,980; J. W. Hopp, Cedar Rapids, (a) $50,000, (b) $52,000. Noted May 10.

Ariz., Yuma—Pumping Machinery—U. S. Rec. Ser., Denver, received low bids, at Yuma Valley Drainage Plant, Yuma Project, Arizona, (a) Item 1, (b) Item 2, (c) Item 3, (d) Item 4, (e) Item 5, (f) Item 6, from Fairbanks-Morse & Co., 900 South Wabash Ave., Chicago, (a) $13,939, (b) $11,965, (c) $9060, (d) $9700, (e) $1400, (f) $8; Smith-Booth-Usher Co., 228 Central St., Los Angeles, (a) $12,100, (c) $7550, (e) $650, (f) $7; Western Gas Engine Corp., 900 North Main St., Los Angeles, (a) $9295, (c) $5993, (e) $985, (f) $8.

Cal., Bolinas—Coast Guard Station—U. S. Coast Guard, Wash., received low bids, May 15, from J. E. Johanson, $9988, 100 days; F. Galligher, $10,190, time Oct. 15; G. Borton & Son, $10,394, time Oct. 1, all of San Francisco. Noted Apr. 5.

★**Cal., Vallejo**—Barracks, Etc.—Bureau Yards and Docks, Navy Dept., Wash., let emergency contract without advertising for 2 barracks and storehouse to Lang & Bergstrom, Sharon Bldg., San Francisco, about $250,000, plus 10%.

Cal., Vallejo—Shell House and Laboratory—Bureau Yards and Docks, Navy Dept., Wash., received low bids from F. Gallegher, 180 Jessie St., San Francisco, $25,100; Lange & Bergstrom, Sharon Bldg., San Francisco, $25,248; H. A. Klyce, Call Bldg., San Francisco, $26,685. Noted Apr. 26.

★**Alaska, Seward**—Buildings—Bureau Yards and Docks, Navy Dept., Wash., let contract radio station buildings and masts to Gutleben Bros., New Call Bldg., San Francisco, $68,516. Noted Apr. 26.

MISCELLANEOUS

Proposed Work

Coal Pocket—Springfield Mass.—See "Reinforced Concrete."

Parks—Camden, N. J.—Council will issue $25,000 bonds for improvements to city parks. D. Jester, pres. L. E. Farnham, city engr.

Oil Pipe Line—Elizabeth, N. J.—See "Industrial Works."

Docks—Newark, N. J.—See "Excavation and Dredging."

Perth Amboy, N. J.—See "Waterworks."

Park—Westfield, N. J.—Council plans to build park. About $35,000. W. Higgins, city engr.

Shipbuilding Slips—Newport News, Va.—See "Industrial Works."

Dam, Etc.—Shenandoah, Va.—City voted $30,000 bonds to build hydro-electric dam and plant.

Garbage Incinerator—Laurens, S. C.—City plans.

Docks—Jacksonville, Fla.—Clyde Steamship Co., foot of Market St., will rebuild docks recently destroyed by fire. Loss, $50,000. W. M. Tupper, supt.

Wharf, Etc.—Chattanooga, Tenn.—City Comn. had plans prepared by J. D. Alsup, James Bldg., for wharf improvements at river, to include construction of dike, paving wharf and purchase of steam crane to load boats and warehouse addition. About $50,000.

Pier—Toledo, O.—See "Buildings."

Dam and Locks—Murphysboro, Ill.—See "Excavation and Dredging."

Transmission Lines—Burlington, Ia.—Burlington Railway & Light Co. plans to connect Burlington with Mediapolis, Morning Dun, Wapello and Winfield, also line from Burlington to Middletown. The energy will be supplied at Keokuk dam to cities and towns north of Burlington. C. H. Walsh, Burlington, secy., treas. and mgr.

Park—Sherman, Tex.—Attorney General's Dept., Austin, approved $50,000 bond issue for park at Red River Valley Fair. O. J. S. Ellingsen, city engr. Noted Feb. 22.

Gas Main—Loco, Okla.—Lone Star Gas Co., 1st Natl. Bank Bldg., Ft. Worth, will lay 16-in. natural gas main from Loco to Gainesville, Tex., where it will connect with pipe line that leads to Ft. Worth and Dallas, Tex.; also new main from Petrolia to Gainesville.

Dock—Seattle, Wash.—Comrs. King Co. will build, on Duwamish Waterway, to serve Pacific Oil Mills, 1816 4th St., S. About $45,000. S. J. Humes, co. engr., Courthouse, 3rd and James Sts., preparing plans.

Bids Desired

Timber Groins—Brooklyn, N. Y.—Until May 31 by C. Ward, pres. Park Bd., Dept. Parks, Municipal Bldg., Manhattan, repairs to 6 timber groynes at Dreamland Park, Coney Island.

Cables—New York, N. Y.—Until May 28 by R. Adamson, fire comr., 11th Floor, Municipal Bldg., furnishing, delivering and installing underground lead-covered cables and appurtenances for Bronx Improvement, Boro. of Bronx.

Pipes, Etc.—New York, N. Y.—Until May 28 by R. Adamson, fire comr., 11th floor, Municipal Bldg., furnishing, delivering and installing subsidiary pipes and upper parts of fire alarm posts, and delivering and installing twin posts and bases and sub-bases for fire-alarm posts for Bronx Improvement, Boro. of Bronx.

Tracks—New York, N. Y.—(Official)—Until June 4 by Pub. Serv. Comn. for 1st Dist., 120 Bway., for installation of tracks for Southern Blvd., Westchester Ave. and Pelham Bay Park branch of Lexington Ave. subway, Bronx boro.

Finishing Hardware—Syracuse, N. Y.—(Official)—Until May 29 by State Fair Comn., 428 South Salina St., for use at Horse Exhibit Bldg., New York State Fair; advertised in this issue.

Trucks—Bayonne, N. J.—Until May 29 by Bd. Comrs. furnishing 2 gasoline flushing and sprinkling trucks. Bidders must furnish list of cities where machines of their manufacture have been in successful operation for 2 years. W. P. Lea, city clk.

Elimination Grade Crossings—Nisqually, Wash.—Until June 4 by State Highway Dept., Olympia, on Pacific Highway, over tracks of Northern Pacific Ry. About $35,000.

Prices and Contracts Awarded

Station Finish—Brooklyn, N. Y.—O. S. Straus, chn. pub. serv. comn., 1st dist., received low bids, May 16, station finish for 9 stations on parts of Broadway, 4th Ave. and Eastern Pkway., Rapid Transit R.R., from J. A. Lewis Contr. Co., Inc., 277 Bway., New York City, $442,000; Snare & Triest Co., Woolworth Bldg., New York City, $464,540; Conners Bros. Co., 64 West 88th St., New York City, $464,790. These are unofficial totals. Noted May 3.

Sheds—New York, N. Y.—See "Structural Steel."

★**Levee—New Orleans, La.**—(Official)—Bd. Levee Comrs., Orleans Levee Dist., New Court Bldg., let contract, 3rd Dist., to V. Lamben, 625 Soland St., $21,340. Noted May 10.

★**Terrace Walls—Jefferson City, Mo.**—Bldg. Com. let contract, south side State Capitol Bldg., to Pope Constr. Co., Jefferson City, $48,000.

★**Fill—Seattle, Wash.**—Port of Seattle Comn. let contract filling and dredging in Salmon Bay to Puget Sound Bridge and Dredging Co., Central Bldg., $28,600, based on unit price of 20c. per cu.yd. Noted May 17.

★**Piers—Halifax, N. S.**—See "Structural Steel."

Brown Portable Elevator Co., of Chicago, Ill., has changed its name to the **Brown Portable Conveying Machinery Co.** The change is made on account of the extended scope of the company's devices.

La Salle Engineering Co. has moved its offices to the Hunter Bldg., Madison and Market Sts., Chicago, Ill. The company recently appointed Norman M. Stinenan, formerly chief engineer of the Chicago, Milwaukee & St. Paul Ry., chief engineer, and I. A. Baum, assistant manager.

Link-Belt Co., 39th St. and Stewart Ave., Chicago, Ill., has printed in colors a portion of President Wilson's proclamation which is of particular interest to everyone at the present time. A copy of same may be obtained free by writing to the Chicago office.

SEWER, CINCINNATI, O.

Contract No. 2

Bids were received by C. F. Hornberger, dir. pub. serv., for Mill Creek Intercepting Sewer, Contract No. 2, from (A) Welling & Franz, 9th and Plum St. (awarded contract); (B) James Duff Construction Co., 603 Marshall Bldg.; (C) Connelly Construction Co., 315 East 8th St.; (D) Kirchner Construction Co., 211 West 9th St., $160,585. The item bids of the 3 lowest bidders were as follows:

	A	B	C
3,300 lin.ft. 69-in. concrete sewer, complete	$28.25	$29.00	$27.50
150 lin.ft. 69-in. concrete sewer, complete (tunnel)	40.00	40.00	40.00
146 lin.ft. 72-in. concrete sewer, complete	45.00	42.00	45.00
25 lin.ft. (spl. sec.) concrete sewer, complete, stat. 0+13.5 to 0+38.5	45.00	41.00	45.00
955 lin.ft. (spl. sec.) concrete sewer, complete, rebuilt 11-ft. trunk sewer	51.00	50.00	55.00
9 manholes (std.) on concrete sewers over 4 in. diam	200.00	240.00	260.00
2 manholes (spl.) on rebuilt 11-ft. trunk	50.00	45.00	45.00
6-in. stub in trunk sewer	0.75	0.60	0.60
8-in. stub in trunk sewer	1.00	0.70	0.80
24-in. stub in trunk sewer	7.00	5.00	6.50
8-in. slant in trunk sewer	1.00	0.80	0.80
12-in. slant in trunk sewer	1.50	1.60	1.60
18-in. slant in trunk sewer	4.00	3.00	3.00
3,630 lin.ft. 8-in. underdrain, complete	0.50	0.60	0.60
960 cu.yd. gravel refill	1.00	1.50	2.00
100 M.ft.b.m. sheeting left in place	30.00	30.00	25.00
100 cu.yd. special excavation	1.00	2.00	2.00
50 cu.yd. concrete masonry, Class 3	8.00	9.50	7.50
Extended totals	$168,638	$170,984	$171,409

Contract No. 4

Bids were received by C. F. Hornberger, dir. pub. serv., for Mill Creek Intercepting Sewer, Contract No. 4, from (A) D. P. Foley, Park Ave.; (B) Kirchner Construction Co., 211 West 9th St.; (C) T. P. Strack, Goodall Bldg.; (D) Thurber & Browning Co., Goodall Bldg., $173,113. The item bids of the 3 lowest bidders were as follows:

	A	B	C
2,320 lin.ft. 90-in. concrete sewer, complete	$35.20	$38.00	$38.00
300 lin.ft. 90-in. concrete sewer, complete, pile section	40.55	40.00	40.00
1,000 lin.ft. 93-in. concrete sewer, complete	38.50	39.50	39.00
50 lin.ft. 93-in. concrete sewer, complete, pile section	40.70	42.00	40.00
4 manholes (std.) on concrete sewers, over 4 ft. diam	300.00	240.00	300.00
3 manholes, drop, on concrete sewer	300.00	325.00	325.00
2 manholes, intercepting	150.00	150.00	150.00
Junction chamber, complete	1,025.00	1,500.00	725.00
30 lin.ft. 8-in. vit. pipe sewer, complete	2.00	2.00	2.00
15 lin.ft. 12-in. vit. pipe sewer, complete	2.50	2.50	2.00
8-in. slant in trunk sewer	1.00	1.00	2.00
27-in. slant in trunk sewer	10.00	10.00	10.00
3,700 lin.ft. 8-in. underdrain, complete	0.50	0.50	0.75
1,000 cu.yd. gravel refill	2.00	2.00	2.00
5,250 lin.ft. piles	1.00	0.50	0.75
45 M.ft.b.m. timber foundation	40.00	28.00	35.00
50 M.ft.b.m. sheeting left in place	30.00	30.00	20.00
300 cu.yd. special excavation	2.00	2.00	2.00
Cast iron grating in place	15.00	15.00	15.00
2 cu.yd. concrete masonry, class 1	12.00	12.00	12.00
45 cu.yd. concrete masonry, class 2	10.00	9.00	10.00
20 cu.yd. concrete masonry, class 3	7.50	8.00	7.50
Extended totals	$154,739	$159,265	$160,211

SEARCHLIGHT SECTION

Contracts To Be Let

PROPOSALS

Bids received until May 29, 1917

Canal Work

STATE OF NEW YORK, SUPERINTENDENT OF PUBLIC WORKS

Albany, April 27th, 1917.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Tuesday, May 29th, 1917, at which place and hour they will be publicly opened and read, for improving the Cayuga and Seneca canal pursuant to the provisions of Chapter 391 of the Laws of 1909, and Chapter 147 of the Laws of 1903, and amendatory laws, and for improving the New York State canals pursuant to the provisions of Chapter 147 of the Laws of 1903, and of the acts amendatory thereof and supplementary thereto, and Chapter 570 of the Laws of 1915, as follows:

—1—

CONTRACT "P."

Cayuga and Seneca Canal—Section 1.

For constructing a concrete cut-off wall below the walls of Lock No. 3, Seneca Falls.

Sheets 1 and 2.

—2—

CONTRACT NO. 144.

Erie Canal—Section 9.

For constructing two concrete bridges over Red creek in Genesee Valley Park, Rochester.

Sheets 1 to 10, inclusive.

And for the construction of Barge canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, and of the acts amendatory thereof, as follows:

—3—

TERMINAL CONTRACT NO. 44.

For constructing a Barge canal terminal at Mott Haven, near East 138th street, borough of the Bronx, New York.

Contract plans, sheets 1-9.

Plans may be seen and detailed specifications, engineer's estimate of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., and at the canal office, Spaulding's Exchange, Buffalo, N. Y.

Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per cent.) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank (or trust company in the case of terminal contract) in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent.) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of each contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent.) of the estimated cost of the work according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10 per cent.) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the State for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

W. W. WOTHERSPOON,
Superintendent of Public Works.

UNITED STATES ENGINEER OFFICE, Room 710 Army Building, 39 Whitehall Street, New York, N. Y.—Sealed proposals for dredging in Hudson River, N. Y., will be received here until 12 M., June 11, 1917, and then opened. Further information on application.

Official Proposals

Price, $3.60 an inch—Copy can be received until Wednesday, 10 a. m. for issue mailed the next day

PROPOSALS

Bids received until May 28, 1917.

Highway Work

OFFICE OF THE STATE COMMISSION OF HIGHWAYS

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at one o'clock P. M., on Monday, May 28th, 1917, for the repair of highways in the following counties:

ALBANY (two contracts—reconstruction and resurfacing)
CAYUGA (one contract—resurfacing)
COLUMBIA (one contract—reconstruction)
ESSEX (one contract—resurfacing)
GREENE (two contracts—surface treatment and reconstruction)
HERKIMER (one contract—surface treatment)
JEFFERSON (one contract—resurfacing and surface treatment)
NIAGARA (one contract—resurfacing)
ONTARIO (one contract—resurfacing)
ORLEANS (one contract—resurfacing)
OTSEGO (one contract—reconstruction)
RENSSELAER (one contract—surface treatment)
SARATOGA (one contract—resurfacing)
SENECA (one contract—resurfacing)
SUFFOLK (two contracts—surface treatment and resurfacing)
ULSTER (one contract—resurfacing)
WASHINGTON (two contracts—resurfacing and surface treatment)
WESTCHESTER (one contract—reconstruction)

ALSO FOR THE IMPROVEMENT OF HIGHWAYS IN THE FOLLOWING COUNTIES:

COLUMBIA (approx. 7.77)
JEFFERSON (approx. 0.66)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the Division Engineers in whose division the roads are to be improved. The addresses of the Division Engineers and the counties in which they are in charge will be furnished on request.

The especial attention of bidders is called to "GENERAL INFORMATION FOR BIDDERS" on the itemized proposal, specifications and contract agreement.

EDWIN DUFFEY, Commissioner.
I. J. MORRIS, Secretary.

Bids received until June 4, 1917.

Rubble Mound Jetty

Newport Beach, Cal.

City Hall, Newport Beach, California. Sealed proposals for constructing a rubble mound jetty for the City of Newport Beach, California, at the entrance of Newport Bay, California, will be received at the office of the City Clerk, City Hall, Newport Beach, California, until 7:30 p.m. June 4, 1917, and then publicly opened. Copies of plans, specifications and contract forms may be obtained upon deposit of Ten ($10.00) Dollars on application to Leeds & Barnard, Consulting Engineers, 1103-7 Central Bldg., Los Angeles, Calif. Signed by Claude M. Crego, Clerk of the City of Newport Beach, Calif.